天净沙系列

CAT#:1-6235

常温运输，-20℃保存

天净沙

# pSIM6 质粒 DNA

## pSIM6 Plasmid DNA

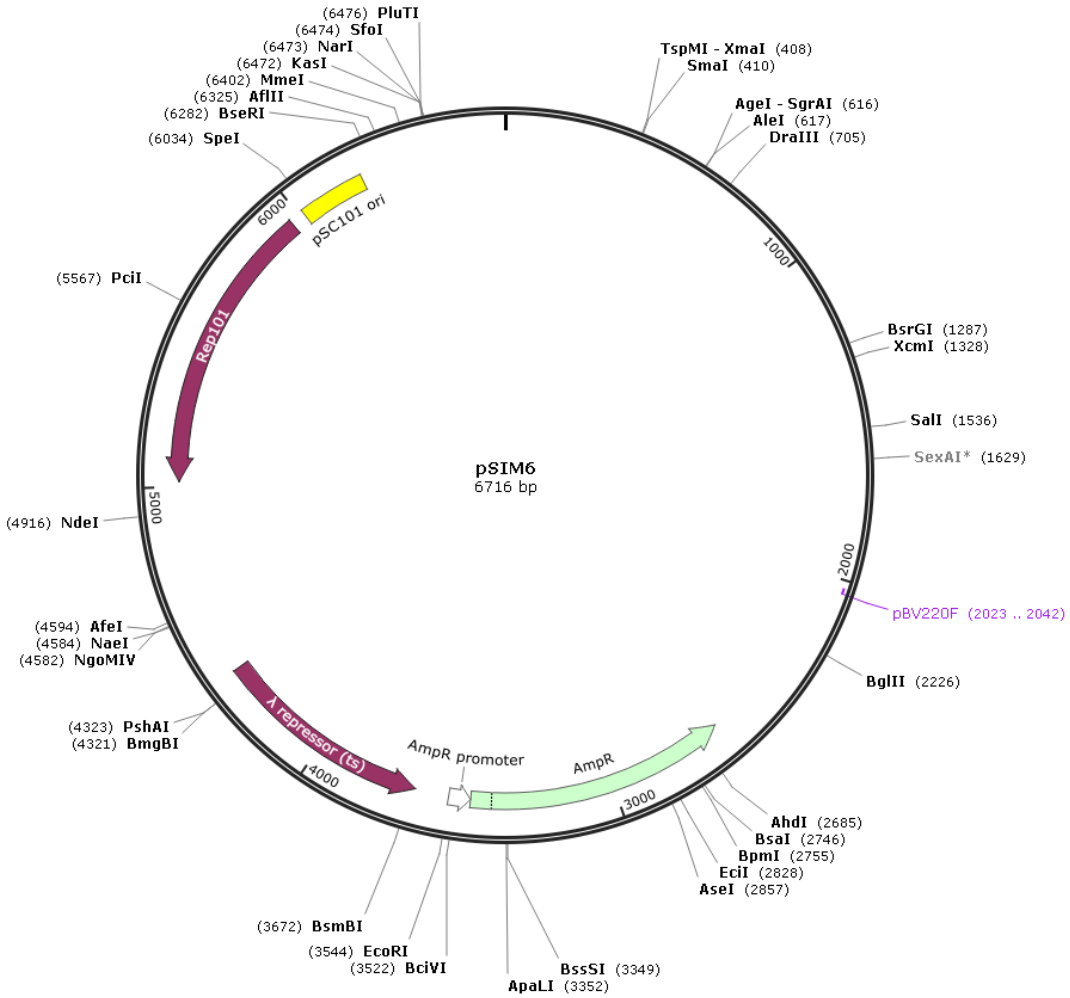
使用手册 V1.0

北京天净沙基因科技有限公司

网址：www.tjs.bio；电话：400-1078566；电邮：order@tjs.bio

## 产品及特点

pSIM6 质粒 DNA 是一款全长 6716 bp 的环状质粒载体，属于分子生物学中常用的重组工程辅助质粒。该质粒编码温度敏感型λ阻遏蛋白，携带氨苄青霉素抗性基因及其启动子。其图谱如下：




## 规格及成分

本产品使用 logo 热封袋包装

| 成分 | 编号 | 规格 | 包装 |
|---|---|---|---|
| pSIM6 质粒 DNA 干粉 | 1-6235 | 2 μg | 0.5 mL 本色管 |
| 使用手册 | sc1-6235 | 1 份 | 无 |

## 运输及保存

常温运输，溶解后需-20℃保存，有效期两年。

## 使用方法

使用前将本产品短暂离心后加入 100 μL 自备的超纯水或 TE 缓冲液溶解，可以得到 20 ng/μL 的质粒 DNA 溶液，该溶液可直接用于酶切克隆。也可以取少量，按常规方法进行细菌转化，制备更多的质粒 DNA 进行各种后续实验。

## DNA 序列

```
1      CAGCTGTCTC  TTATACACAT  CTCCGCTGTG  CTTTCAGTGG  ATTTCGGATA  ACAGAAAGGC
61     CGGGAAATAC  CCAGCCTCGC  TTTGTAACGG  AGTAGACGAA  AGTGATTGCG  CCTACCCGGA
121    TATTATCGTG  AGGATGCGTC  ATCGCCATTG  CTCCCCAAAT  ACAAAACCAA  TTTCAGCCAG
181    TGCCTCGTCC  ATTTTTTCGA  TGAACTCCGG  CACGATCTCG  TCAAAACTCG  CCATGTACTT
241    TTCATCCCGC  TCAATCACGA  CATAATGCAG  GCCTTCACGC  TTCATACGCG  GGTCATAGTT
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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 301 | GGCAAAGTAC | CAGGCATTTT | TTCGCGTCAC | CCACATGCTG | TACTGCACCT | GGGCCATGTA |
| 361 | AGCTGACTTT | ATGGCCTCGA | AACCACCGAG | CCGGAACTTC | ATGAAATCCC | GGGAGGTAAA |
| 421 | CGGGCATTTC | AGTTCAAGGC | CGTTGCCGTC | ACTGCATAAA | CCATCGGGAG | AGCAGGCGGT |
| 481 | ACGCATACTT | TCGTCGCGAT | AGATGATCGG | GGATTCAGTA | ACATTCACGC | CGGAAGTGAA |
| 541 | CTCAAACAGG | GTTCTGGCGT | CGTTCTCGTA | CTGTTTTCCC | CAGGCCAGTG | CTTTAGCGTT |
| 601 | AACTTCCGGA | GCCACACCGG | TGCAAACCTC | AGCAAGCAGG | GTGTGGAAGT | AGGACATTTT |
| 661 | CATGTCAGGC | CACTTCTTTC | CGGAGCGGGG | TTTTGCTATC | ACGTTGTGAA | CTTCTGAAGC |
| 721 | GGTGATGACG | CCGAGCCGTA | ATTTGTGCCA | CGCATCATCC | CCCTGTTCGA | CAGCTCTCAC |
| 781 | ATCGATCCCG | GTACGCTGCA | GGATAATGTC | CGGTGTCATG | CTGCCACCTT | CTGCTCTGCG |
| 841 | GCTTTCTGTT | TCAGGAATCC | AAGAGCTTTT | ACTGCTTCGG | CCTGTGTCAG | TTCTGACGAT |
| 901 | GCACGAATGT | CGCGGCGAAA | TATCTGGGAA | CAGAGCGGCA | ATAAGTCGTC | ATCCCATGTT |
| 961 | TTATCCAGGG | CGATCAGCAG | AGTGTTAATC | TCCTGCATGG | TTTCATCGTT | AACCGGAGTG |
| 1021 | ATGTCGCGTT | CCGGCTGACG | TTCTGCAGTG | TATGCAGTAT | TTTCGACAAT | GCGCTCGGCT |
| 1081 | TCATCCTTGT | CATAGATACC | AGCAAATCCG | AAGGCCAGAC | GGGCACACTG | AATCATGGCT |
| 1141 | TTATGACGTA | ACATCCGTTT | GGGATGCGAC | TGCCACGGCC | CCGTGATTTC | TCTGCCTTCG |
| 1201 | CGAGTTTTGA | ATGGTTCGCG | GCGGCATTCA | TCCATCCATT | CGGTAACGCA | GATCGGATGA |
| 1261 | TTACGGTCCT | TGCGGTAAAT | CCGGCATGTA | CAGGATTCAT | TGTCCTGCTC | AAAGTCCATG |
| 1321 | CCATCAAACT | GCTGGTTTTC | ATTGATGATG | CGGGACCAGC | CATCAACGCC | CACCACCGGA |
| 1381 | ACGATGCCAT | TCTGCTTATC | AGGAAAGGCG | TAAATTTCTT | TCGTCCACGG | ATTAAGGCCG |
| 1441 | TACTGGTTGG | CAACGATCAG | TAATGCGATG | AACTGCGCAT | CGCTGGCATC | ACCTTTAAAT |
| 1501 | GCCGTCTGGC | GAAGAGTGGT | GATCAGTTCC | TGTGGGTCGA | CAGAATCCAT | GCCGACACGT |
| 1561 | TCAGCCAGCT | TCCCAGCCAG | CGTTGCGAGT | GCAGTACTCA | TTCGTTTTAT | ACCTCTGAAT |
| 1621 | CAATATCAAC | CTGGTGGTGA | GCAATGGTTT | CAACCATGTA | CCGGATGTGT | TCTGCCATGC |
| 1681 | GCTCCTGAAA | CTCAACATCG | TCATCAAACG | CACGGGTAAT | GGATTTTTTG | CTGGCCCCGT |
| 1741 | GGCGTTGCAA | ATGATCGATG | CATAGCGATT | CAAACAGGTG | CTGGGGCAGG | CCTTTTTCCA |
| 1801 | TGTCGTCTGC | CAGTTCTGCC | TCTTTCTCTT | CACGGGCGAG | CTGCTGGTAG | TGACGCGCCC |
| 1861 | AGCTCTGAGC | CTCAAGACGA | TCCTGAATGT | AATAAGCGTT | CATGGCTGAA | CTCCTGAAAT |
| 1921 | AGCTGTGAAA | ATATCGCCCG | CGAAATGCCG | GGCTGATTAG | TAATCCGGAA | TCGCACTTAC |
| 1981 | GGCCAATGCT | TCGTTTCGTA | TCACACACCC | CAAAGCCTTC | TGCTTTGAAT | GCTGCCCTTC |
| 2041 | TTCAGGGCTT | AATTTTTAAG | AGCGTCACCT | TCATGGTGGT | CAGTGCGTCC | TGCTGATGTG |
| 2101 | CTCAGTATCA | CCGCCAGTGG | TATTTATGTC | AACACCGCCA | GAGATAATTT | ATCACCGCAG |
| 2161 | ATGGTTATCT | GTATGTTTTT | TATATGAATT | TATTTTTTGC | AGGGGGGCAT | TGTTTGGTAG |
| 2221 | GTGAGAGATC | TGAATTGCTA | TGTTTAGTGA | GTTGTATCTA | TTTATTTTTC | AATAAATACA |
| 2281 | ATTGGTTATG | TGTTTTGGGG | GCGATCGTGA | GGCAAAGAAA | ACCCGGCGCT | GAGGCCGGGT |
| 2341 | TAAGAGTTGG | TAGCTCTTGA | TCCGGCAAAC | AAACCACCGC | TGGTAGCGGT | GGTTTTTTTG |
| 2401 | TTTGCAAGCA | GCAGATTACG | CGCAGAAAAA | AAGGATCTCA | AGAAGATCCT | TTGATCTTTT |
| 2461 | CTACGGGGTC | TGACGCTCAG | TGGAACGAAA | ACTCACGTTA | AGGGATTTTG | GTCATGAGAT |
| 2521 | TATCAAAAAG | GATCTTCACC | TAGATCCTTT | TAAATTAAAA | ATGAAGTTTT | AAATCAATCT |
| 2581 | AAAGTATATA | TGAGTAAACT | TGGTCTGACA | GTTACCAATG | CTTAATCAGT | GAGGCACCTA |
| 2641 | TCTCAGCGAT | CTGTCTATTT | CGTTCATCCA | TAGTTGCCTG | ACTCCCCGTC | GTGTAGATAA |
| 2701 | CTACGATACG | GGAGGGCTTA | CCATCTGGCC | CCAGTGCTGC | AATGATACCG | CGAGACCCAC |
| 2761 | GCTCACCGGC | TCCAGATTTA | TCAGCAATAA | ACCAGCCAGC | CGGAAGGGCC | GAGCGCAGAA |
| 2821 | GTGGTCCTGC | AACTTTATCC | GCCTCCATCC | AGTCTATTAA | TTGTTGCCGG | GAAGCTAGAG |
| 2881 | TAAGTAGTTC | GCCAGTTAAT | AGTTTGCGCA | ACGTTGTTGC | CATTGCTGCA | GGCATCGTGG |
| 2941 | TGTCACGCTC | GTCGTTTGGT | ATGGCTTCAT | TCAGCTCCGG | TTCCCAACGA | TCAAGGCGAG |
| 3001 | TTACATGATC | CCCCATGTTG | TGCAAAAAAG | CGGTTAGCTC | CTTCGGTCCT | CCGATCGTTG |
| 3061 | TCAGAAGTAA | GTTGGCCGCA | GTGTTATCAC | TCATGGTTAT | GGCAGCACTG | CATAATTCTC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3121 | TTACTGTCAT | GCCATCCGTA | AGATGCTTTT | CTGTGACTGG | TGAGTACTCA | ACCAAGTCAT |
| 3181 | TCTGAGAATA | GTGTATGCGG | CGACCGAGTT | GCTCTTGCCC | GGCGTCAACA | CGGGATAATA |
| 3241 | CCGCGCCACA | TAGCAGAACT | TTAAAAGTGC | TCATCATTGG | AAAACGTTCT | TCGGGGCGAA |
| 3301 | AACTCTCAAG | GATCTTACCG | CTGTTGAGAT | CCAGTTCGAT | GTAACCCACT | CGTGCACCCA |
| 3361 | ACTGATCTTC | AGCATCTTTT | ACTTTCACCA | GCGTTTCTGG | GTGAGCAAAA | ACAGGAAGGC |
| 3421 | AAAATGCCGC | AAAAAAGGGA | ATAAGGGCGA | CACGGAAATG | TTGAATACTC | ATACTCTTCC |
| 3481 | TTTTTCAATA | TTATTGAAGC | ATTTATCAGG | GTTATTGTCT | CATGAGCGGA | TACATATTTG |
| 3541 | AATGAATTCA | ATCCATTTAC | TATGTTATGT | TCTGAGGGGA | GTGAAAATTC | CCCTAATTCG |
| 3601 | ATGAAGATTC | TTGCTCAATT | GTTATCAGCT | ATGCGCCGAC | CAGAACACCT | TGCCGATCAG |
| 3661 | CCAAACGTCT | CTTCAGGCCA | CTGACTAGCG | ATAACTTTCC | CCACAACGGA | ACAACTCTCA |
| 3721 | TTGCATGGGA | TCATTGGGTA | CTGTGGGTTT | AGTGGTTGTA | AAAACACCTG | ACCGCTATCC |
| 3781 | CTGATCAGTT | TCTTGAAGGT | AAACTCATCA | CCCCCAAGTC | TGGCTATGCA | GAAATCACCT |
| 3841 | GGCTCAACAG | CCTGCTCAGG | GTCAACGAGA | ATTAACATTC | CGTCAGGAAA | GCTTGGCTTG |
| 3901 | GAGCCTGTTG | GTGCGGTCAT | GGAATTACCT | TCAACCTCAA | GCCAGAATGC | AGAATCACTG |
| 3961 | GCTTTTTTGG | TTGTGCTTAC | CCATCTCTCC | GCATCACCTT | TGGTAAAGGT | TCTAAGCTTA |
| 4021 | GGTGAGAACA | TCCCTGCCTG | AACATGAGAA | AAAACAGGGT | ACTCATACTC | ACTTCTAAGT |
| 4081 | GACGGCTGCA | TACTAACCGC | TTCATACATC | TCGTAGATTT | CTCTGGCGAT | TGAAGGGCTA |
| 4141 | AATTCTTCAA | CGCTAACTTT | GAGAATTTTT | GTAAGCAATG | CGGCGTTATA | AGCATTTAAT |
| 4201 | GCATTGATGC | CATTAAATAA | AGCACCAACG | CCTGACTGCC | CCATCCCCAT | CTTGTCTGCG |
| 4261 | ACAGATTCCT | GGGATAAGCC | AAGTTCATTT | TTCTTTTTTT | CATAAATTGC | TTTAAGGCGA |
| 4321 | CGTGCGTCCT | CAAGCTGCTC | TTGTGTTAAT | GGTTTCTTTT | TTGTGCTCAT | ACGTTAAATC |
| 4381 | TATCACCGCA | AGGGATAAAT | ATCTAACACC | GTGCGTGTTG | ACTATTTTAC | CTCTGGCGGT |
| 4441 | GATAATGGTT | GCATGTACTA | AGGAGGTTGT | ATGGAACAAC | GAGATGTGTA | TAAGAGACAG |
| 4501 | CTGACGGGTT | TTGCTGCCCG | CAAACGGGCT | GTTCTGGTGT | TGCTAGTTTG | TTATCAGAAT |
| 4561 | CGCAGATCCG | GCTTCAGGTT | TGCCGGCTGA | AAGCGCTATT | TCTTCCAGAA | TTGCCATGAT |
| 4621 | TTTTTCCCCA | CGGGAGGCGT | CACTGGCTCC | CGTGTTGTCG | GCAGCTTTGA | TTCGATAAGC |
| 4681 | AGCATCGCCT | GTTTCAGGCT | GTCTATGTGT | GACTGTTGAG | CTGTAACAAG | TTGTCTCAGG |
| 4741 | TGTTCAATTT | CATGTTCTAG | TTGCTTTGTT | TTACTGGTTT | CACCTGTTCT | ATTAGGTGTT |
| 4801 | ACATGCTGTT | CATCTGTTAC | ATTGTCGATC | TGTTCATGGT | GAACAGCTTT | GAATGCACCA |
| 4861 | AAAACTCGTA | AAAGCTCTGA | TGTATCTATC | TTTTTTACAC | CGTTTTCATC | TGTGCATATG |
| 4921 | GACAGTTTTC | CCTTTGATAT | GTAACGGTGA | ACAGTTGTTC | TACTTTTGTT | TGTTAGTCTT |
| 4981 | GATGCTTCAC | TGATAGATAC | AAGAGCCATA | AGAACCTCAG | ATCCTTCCGT | ATTTAGCCAG |
| 5041 | TATGTTCTCT | AGTGTGGTTC | GTTGTTTTTG | CGTGAGCCAT | GAGAACGAAC | CATTGAGATC |
| 5101 | ATACTTACTT | TGCATGTCAC | TCAAAAATTT | TGCCTCAAAA | CTGGTGAGCT | GAATTTTTGC |
| 5161 | AGTTAAAGCA | TCGTGTAGTG | TTTTTCTTAG | TCCGTTATGT | AGGTAGGAAT | CTGATGTAAT |
| 5221 | GGTTGTTGGT | ATTTTGTCAC | CATTCATTTT | TATCTGGTTG | TTCTCAAGTT | CGGTTACGAG |
| 5281 | ATCCATTTGT | CTATCTAGTT | CAACTTGGAA | AATCAACGTA | TCAGTCGGGC | GGCCTCGCTT |
| 5341 | ATCAACCACC | AATTTCATAT | TGCTGTAAGT | GTTTAAATCT | TTACTTATTG | GTTTCAAAAC |
| 5401 | CCATTGGTTA | AGCCTTTTAA | ACTCATGGTA | GTTATTTTCA | AGCATTAACA | TGAACTTAAA |
| 5461 | TTCATCAAGG | CTAATCTCTA | TATTTGCCTT | GTGAGTTTTC | TTTTGTGTTA | GTTCTTTTAA |
| 5521 | TAACCACTCA | TAAATCCTCA | TAGAGTATTT | GTTTTCAAAA | GACTTAACAT | GTTCCAGATT |
| 5581 | ATATTTTATG | AATTTTTTTA | ACTGGAAAAG | ATAAGGCAAT | ATCTCTTCAC | TAAAAACTAA |
| 5641 | TTCTAATTTT | TCGCTTGAGA | ACTTGGCATA | GTTTGTCCAC | TGGAAAATCT | CAAAGCCTTT |
| 5701 | AACCAAAGGA | TTCCTGATTT | CCACAGTTCT | CGTCATCAGC | TCTCTGGTTG | CTTTAGCTAA |
| 5761 | TACACCATAA | GCATTTTCCC | TACTGATGTT | CATCATCTGA | GCGTATTGGT | TATAAGTGAA |
| 5821 | CGATACCGTC | CGTTCTTTCC | TTGTAGGGTT | TTCAATCGTG | GGGTTGAGTA | GTGCCACACA |
| 5881 | GCATAAAATT | AGCTTGGTTT | CATGCTCCGT | TAAGTCATAG | CGACTAATCG | CTAGTTCATT |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 5941 | TGCTTTGAAA | ACAACTAATT | CAGACATACA | TCTCAATTGG | TCTAGGTGAT | TTTAATCACT |
| | 6001 | ATACCAATTG | AGATGGGCTA | GTCAATGATA | ATTACTAGTC | CTTTTCCTTT | GAGTTGTGGG |
| | 6061 | TATCTGTAAA | TTCTGCTAGA | CCTTTGCTGG | AAAACTTGTA | AATTCTGCTA | GACCCTCTGT |
| | 6121 | AAATTCCGCT | AGACCTTTGT | GTGTTTTTTT | TGTTTATATT | CAAGTGGTTA | TAATTTATAG |
| | 6181 | AATAAAGAAA | GAATAAAAAA | AGATAAAAAG | AATAGATCCC | AGCCCTGTGT | ATAACTCACT |
| | 6241 | ACTTTAGTCA | GTTCCGCAGT | ATTACAAAAG | GATGTCGCAA | ACGCTGTTTG | CTCCTCTACA |
| | 6301 | AAACAGACCT | TAAAACCCTA | AAGGCTTAAG | TAGCACCCTC | GCAAGCTCGG | GCAAATCGCT |
| | 6361 | GAATATTCCT | TTTGTCTCCG | ACCATCAGGC | ACCTGAGTCG | CTGTCTTTTT | CGTGACATTC |
| | 6421 | AGTTCGCTGC | GCTCACGGCT | CTGGCAGTGA | ATGGGGGTAA | ATGGCACTAC | AGGCGCCTTT |
| | 6481 | TATGGATTCA | TGCAAGGAAA | CTACCCATAA | TACAAGAAAA | GCCCGTCACG | GGCTTCTCAG |
| | 6541 | GGCGTTTTAT | GGCGGGTCTG | CTATGTGGTG | CTATCTGACT | TTTTGCTGTT | CAGCAGTTCC |
| | 6601 | TGCCCTCTGA | TTTTCCAGTC | TGACCACTTC | GGATTATCCC | GTGACAGGTC | ATTCAGACTG |
| | 6661 | GCTAATGCAC | CCAGTAAGGC | AGCGGTATCA | TCAACAGGCT | TACCCGTCTT | ACTGTC |
| **测序结果** | 本批次（045034lyc）测序序列与上述序列完全一致。 | | | | | | |
| **关联产品** | pMDIII 质粒 DNA | | | | | | |

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