天净沙系列

CAT#:1-4171

常温运输及保存

天净沙

pHT43 质粒 DNA

pHT43 Plasmid DNA

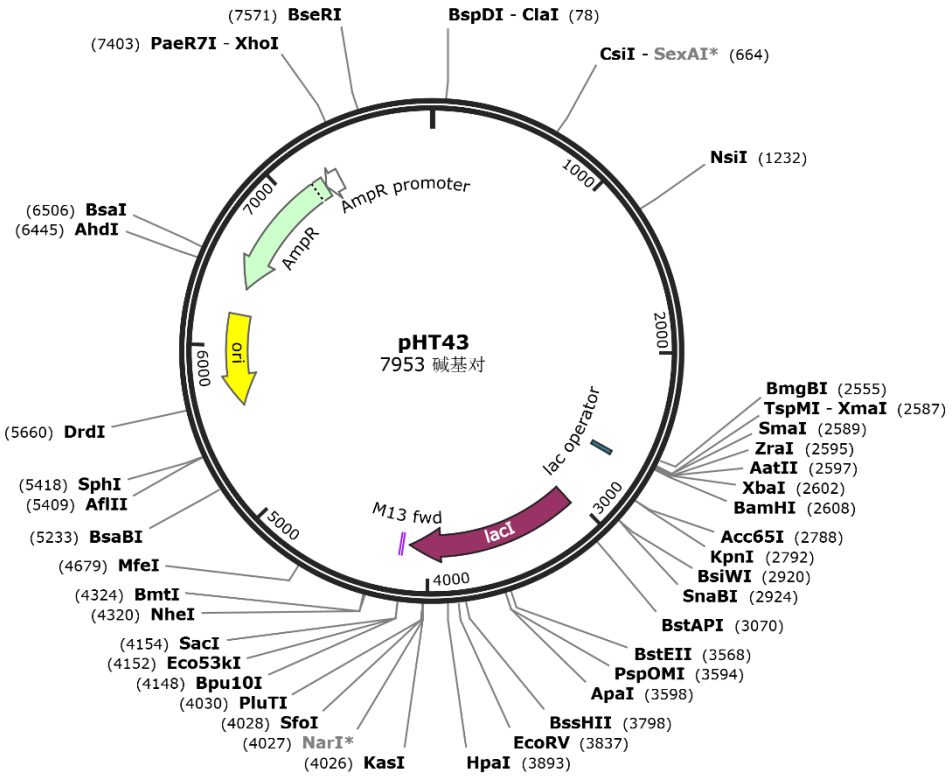
使用手册 V1.0

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

pHT43 质粒大小约为 7953 bp，可通过 lacI/lac operator 元件实现 IPTG 调控的可诱导表达，是常用的分子克隆与蛋白表达工具载体。该质粒具有 ori 复制子，携带 AmpR（氨苄青霉素抗性）基因及 AmpR 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
pHT43 质粒 DNA 干粉	1-4171	2 μg	0.5 mL 本色管
使用手册	sc1-4171	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      AGCCTCAGAT  GTGTTTTATA  TTCCTGAAAA  GGTTGTGCAA  AACAGAATTA  ACTTTATGAT
61     ACAACAACAA  TTTGAAATCG  ATGAATTTGA  TAATGTCAAT  GAAAAAGTAA  AGAGTTTTGC
121    TTAATCGCAA  AGCTCTTTTT  ATTATTATCT  TTTAAAAGCT  TTTCTTAAAA  GATTGTTTTC
181    TTTGTCATTA  AATTTTAATC  CCTCCCCCAT  TAAGAAATTA  ATCAGTGTTA  TAACCCTAGT
241    AAAAATTTTA  TTAGGGTCTT  TTCTTGTGGA  TAAACCTCTA  ATTAAATTTT  AATCCCCCCC
301    TTGTTAAAAT  TTAATAGGGA  TTGAAATTAA  TATTTTTGTA  TCCTCTTTAT  CCCTCATTAA
361    ATTTTAATTA  GTCTACGTGT  TAATTATTAA  TTCCAGTCTA  AATAAATTTA  AATCAGTACT
```

	421	CATTAAATAT	TGATACCTCC	CTGATTATAT	TTTTTTCACT	ATTTCTAAAT	AAAAAAAACT
	481	GCTGAAATAC	TTCAGCAGTT	TATTGCACTT	TTCTTAGTTC	GATTTTTTCG	AAAACATATC
	541	CAGCTTCTTC	AAGGACTGTT	TTAATTGTTT	CTAAATATCT	TTTCTTAATC	CATTCAAATG
	601	CAAATTCACT	CGGTACAAGT	AATAAACAAT	TTTTATTTTC	AATTTTGATC	TTAGTGTTTT
	661	TAAACCAGGT	ATCAAAAGAA	GGCTTAGAGA	CACGATTTTG	CATTTCGCTT	TTTAAAGTAC
	721	TGTCGACTTT	TTCCTCTTCA	GTTGTCATTG	ATATACTCTC	AAAAGATGTT	GTAGGATTAG
	781	GTATTTGTTT	TTTGATTTCT	TTTCGAATTT	CTCCTTTACT	GAGTATATCT	TCATACATTG
	841	TGTCATATTG	TAAGGCCTCT	GGAATATTAA	TTGTTTCTGA	CTCATCCATC	ATTTTTTTAA
	901	CAAATTCATC	GTGCTCTTTT	TTCAAAACCT	TTGGAAGACC	CTCTTTTTCC	TTTTTTAAAG
	961	CCTTCTTTAC	ATGTGCTTCC	TCGTCATCTG	GAATTTCAAT	ATTAGGGTTT	CCATTTAAAA
	1021	GTTCTTCTGA	AAGCAAAGGA	ACCTTACGTC	TAATCTTAAA	AATCGGGGAT	TCCTCTGTGT
	1081	TATCCTTGGT	TTTATTACGG	ACGTTTACCT	TCCAAATAAA	ACCGTACCTT	TCAAGCAGTT
	1141	TCAAGTAGCC	TCTAACTGTA	ACAGGAGTCT	TGTCCATTTT	TTTAGCGATT	GTTTGTAGAC
	1201	TAGGAAAGCA	AAAGTCTTTG	CTGCCGTATG	CATAACGAGT	TAGGTGAGCA	TAGAGCGCAA
	1261	TTCCTTCAGC	ACCTAAAAAA	TAGCCCCAAA	AATCAAAGAA	GTAATTATTT	AAGATTGTAT
	1321	AATGACCTTC	TATGTAAGGT	ATATGCGTAC	CAAATTTGTC	TAAAGAAAAG	TTTTTTATTT
	1381	GCTCTTCTGT	CCATATCTTC	TCTTCCGTTT	CAGCAACATA	ATAAACTTCT	TCTTTCCCTT
	1441	TTTTGATTCT	CTTCCTGGCG	ATTTTATTTC	CAGTGGTTTG	CTGTCGATAA	TACACTAATT
	1501	CATCTGTATT	TCCTTTTAGG	TTTACTTCAC	TCATAATGTC	CCTCCGCGAT	CACCTAAAGG
	1561	AACAGTGTAA	AAGAGGATTT	TCACTTGTAT	GGGGTTTAAT	AAAATGTTAA	AATGGAGATA
	1621	GTTAAATACA	AGTATAAATC	CGCCTTTTCC	CCTTCTCAAA	TTTAACTTCT	CAGTTTGGCC
	1681	GCTGTTAGTT	AAATTGAGAT	TCCGTTAGGT	GGATTTTTTT	TGTTTGTTTT	TTCATCAAAA
	1741	ACAAACAGAG	TTCTTCATAT	TCTGAAATAA	TCTTATCATA	TTTTTACTGG	ATTTAAAATA
	1801	TTTTTATTCC	CATGTCTTTC	TTAATTCTCT	AATATATATT	CAATGCTCCT	AATATTTTTT
	1861	TTAAAAAAAC	AGACTCGTTT	GGAGTCTGTC	TCAGCCTTTG	TTGGTTCTTT	TTTTTAATTC
	1921	ATATTCATAA	AAAGTTTTTT	GGCTCTCAGG	TAATGTCTCA	ACCATCTTAT	CAATAGCTCT
	1981	CTCAATAGTA	TCCTCTAAGT	AATATGAATT	CCCTTCGGAT	GCTGCCAGAA	TTTCGTGCAG
	2041	CGATTTAATC	TTATTATGGA	TTGAAACATC	AACTTTCATT	GTTTTCAACA	ATGCTTTTTT
	2101	TCTTTTTGGT	TCTGTTTGTT	TAACCTCTGT	TGTTTCTTTA	CTTTCAGAAT	CTGTAAGATC
	2161	CATGTAAGGG	TTCTTTAAGC	TTGACCTATC	GCCTTGTGGC	TTTCTAGGTA	GATCCCCTAA
	2221	TTTTCGTACC	ATTAACCTTC	CACCCTTTCG	ATCAATTCCA	TTGTAAGGTT	ATTGAATAGT
	2281	TTTAGAGCTT	CTTTATCATG	AGTATCTTCT	TCCGTGATTC	CTTGAACATC	AAATCGCTTT
	2341	ATTCTTTCCC	TTAATTTAAT	TGTGGAATTA	AGCAAGTCAT	CTCCAAATTC	TTTCCGAGCT
	2401	TCGTCCAAAA	TATACTGATC	AACTGATCCA	CCTGATTTTA	TTAGTACAGG	GACTATTCCT
	2461	AATAAGCCGA	TATTAGCCTC	GTATGTTTCA	ACCATTTGTT	CCAGGTAAGG	TATAAACTTT
	2521	TCAGTTGCAG	ACAAAGATCT	CCATGGACGC	GTGACGTGAA	AAAAGCCCGC	TCATTAGGCG
	2581	GGCTGCCCCG	GGGACGTCGA	CTCTAGAGGA	TCCTTCCTCC	TTTAATTGGG	AATTGTTATC
	2641	CGCTCACAAT	TCCACAATTC	TTATAATAAA	GAATCTCCCT	TCCAATTTCA	AGTGATAAGA
	2701	TAAAAAATTT	TTCACGCTTA	CATCATTCTT	TTCCGCTCCC	TTTTCCGTTA	GCTTTTTCAC
	2761	CCCCGTACCG	ATTATGTTAC	AATAGCTGGT	ACCAAGCTAA	TTCCGGTGGA	AACGAGGTCA
	2821	TCATTTCCTT	CCGAAAAAAC	GGTTGCATTT	AAATCTTACA	TATGTAATAC	TTTCAAAGAC
	2881	TACATTTGTA	AGATTTGATG	TTTGAGTCGG	CTGAAAGATC	GTACGTACCA	ATTATTGTTT
	2941	CGTGATTGTT	CAAGCCATAA	CACTGTAGGG	ATAGTGGAAA	GAGTGCTTCA	TCTGGTTACG
	3001	ATCAATCAAA	TATTCAAACG	GAGGGAGACG	ATTTTGATGA	AACCAGTAAC	GTTATACGAT
	3061	GTCGCAGAGT	ATGCCGGTGT	CTCTTATCAG	ACCGTTTCCC	GCGTGGTGAA	CCAGGCCAGC
	3121	CACGTTTCTG	CGAAAACGCG	GGAAAAAGTG	GAAGCGGCGA	TGGCGGAGCT	GAATTACATT
	3181	CCCAACCGCG	TGGCACAACA	ACTGGCGGGC	AAACAGTCGT	TGCTGATTGG	CGTTGCCACC

3241	TCCAGTCTGG	CCCTGCACGC	GCCGTCGCAA	ATTGTCGCGG	CGATTAAATC	TCGCGCCGAT
3301	CAACTGGGTG	CCAGCGTGGT	GGTGTCGATG	GTAGAACGAA	GCGGCGTCGA	AGCCTGTAAA
3361	ACGGCGGTGC	ACAATCTTCT	CGCGCAACGC	GTCAGTGGGC	TGATCATTAA	CTATCCGCTG
3421	GATGACCAGG	ATGCCATTGC	TGTGGAAGCT	GCCTGCACTA	ATGTTCCGGC	GTTATTTCTT
3481	GATGTCTCTG	ACCAGACACC	CATCAACAGT	ATTATTTTCT	CCCATGAAGA	CGGTACGCGA
3541	CTGGGCGTGG	AGCATCTGGT	CGCATTGGGT	CACCAGCAAA	TCGCGCTGTT	AGCGGGCCCA
3601	TTAAGTTCTG	TCTCGGCGCG	TCTGCGTCTG	GCTGGCTGGC	ATAAATATCT	CACTCGCAAT
3661	CAAATTCAGC	CGATAGCGGA	ACGGGAAGGC	GACTGGAGTG	CCATGTCCGG	TTTTCAACAA
3721	ACCATGCAAA	TGCTGAATGA	GGGCATCGTT	CCCACTGCGA	TGCTGGTTGC	CAACGATCAG
3781	ATGGCGCTGG	GCGCAATGCG	CGCCATTACC	GAGTCCGGGC	TGCGCGTTGG	TGCGGATATC
3841	TCGGTAGTGG	GATACGACGA	TACCGAAGAC	AGCTCATGTT	ATATCCCGCC	GTTAACCACC
3901	ATCAAACAGG	ATTTTCGCCT	GCTGGGGCAA	ACCAGCGTGG	ACCGCTTGCT	GCAACTCTCT
3961	CAGGGCCAGG	CGGTGAAGGG	CAATCAGCTG	TTGCCCGTCT	CACTGGTGAA	AAGAAAAACC
4021	ACCCTGGCGC	CCAATACGCA	AACCGCCTCT	CCCCGCGCGT	TGGCCGATTC	ATTAATGCAG
4081	CTGGCACGAC	AGGTTTCCCG	ACTGGAAAGC	GGGCAGTGAG	CGCAACGCAA	TTAATGTGAG
4141	TTAAGGCCTG	AGCTCGAATT	CACTGGCCGT	CGTTTTACAA	CGTCGTGACT	GGGAAAACCC
4201	TGGCGTTACC	CAACTTAATC	GCCTTGCAGC	ACATCCCCCT	TTCGCCAGCT	GGCGTAATAG
4261	CGAAGAGGCC	CGCACCGATC	GCCCTTCCCA	ACAGTTGCGC	AGCCTGAATG	GCGAATGGCG
4321	CTAGCAGCAC	GCCATAGTGA	CTGGCGATGC	TGTCGGAATG	GACGACGGCA	ATAGTTACCC
4381	TTATTATCAA	GATAAGAAAG	AAAAGGATTT	TTCGCTACGC	TCAAATCCTT	TAAAAAAACA
4441	CAAAAGACCA	CATTTTTTAA	TGTGGTCTTT	TATTCTTCAA	CTAAAGCACC	CATTAGTTCA
4501	ACAAACGAAA	ATTGGATAAA	GTGGGATATT	TTTAAAATAT	ATATTTATGT	TACAGTAATA
4561	TTGACTTTTA	AAAAAGGATT	GATTCTAATG	AAGAAAGCAG	ACAAGTAAGC	CTCCTAAATT
4621	CACTTTAGAT	AAAAATTTAG	GAGGCATATC	AAATGAACTT	TAATAAAATT	GATTTAGACA
4681	ATTGGAAGAG	AAAAGAGATA	TTTAATCATT	ATTTGAACCA	ACAAACGACT	TTTAGTATAA
4741	CCACAGAAAT	TGATATTAGT	GTTTTATACC	GAAACATAAA	ACAAGAAGGA	TATAAATTTT
4801	ACCCTGCATT	TATTTTCTTA	GTGACAAGGG	TGATAAACTC	AAATACAGCT	TTTAGAACTG
4861	GTTACAATAG	CGACGGAGAG	TTAGGTTATT	GGGATAAGTT	AGAGCCACTT	TATACAATTT
4921	TTGATGGTGT	ATCTAAAACA	TTCTCTGGTA	TTTGGACTCC	TGTAAAGAAT	GACTTCAAAG
4981	AGTTTTATGA	TTTATACCTT	TCTGATGTAG	AGAAATATAA	TGGTTCGGGG	AAATTGTTTC
5041	CCAAAACACC	TATACCTGAA	AATGCTTTTT	CTCTTTCTAT	TATTCCATGG	ACTTCATTTA
5101	CTGGGTTTAA	CTTAAATATC	AATAATAATA	GTAATTACCT	TCTACCCATT	ATTACAGCAG
5161	GAAAATTCAT	TAATAAAGGT	AATTCAATAT	ATTTACCGCT	ATCTTTACAG	GTACATCATT
5221	CTGTTTGTGA	TGGTTATCAT	GCAGGATTGT	TTATGAACTC	TATTCAGGAA	TTGTCAGATA
5281	GGCCTAATGA	CTGGCTTTTA	TAATATGAGA	TAATGCCGAC	TGTACTTTTT	ACAGTCGGTT
5341	TTCTAACGAT	ACATTAATAG	GTACGAAAAA	GCAACTTTTT	TTGCGCTTAA	AACCAGTCAT
5401	ACCAATAACT	TAAGCATGCG	TATTGGGCGC	TCTTCCGCTT	CCTCGCTCAC	TGACTCGCTG
5461	CGCTCGGTCG	TTCGGCTGCG	GCGAGCGGTA	TCAGCTCACT	CAAAGGCGGT	AATACGGTTA
5521	TCCACAGAAT	CAGGGGATAA	CGCAGGAAAG	AACATGTGAG	CAAAAGGCCA	GCAAAAGGCC
5581	AGGAACCGTA	AAAAGGCCGC	GTTGCTGGCG	TTTTTCCATA	GGCTCCGCCC	CCCTGACGAG
5641	CATCACAAAA	ATCGACGCTC	AAGTCAGAGG	TGGCGAAACC	CGACAGGACT	ATAAAGATAC
5701	CAGGCGTTTC	CCCCTGGAAG	CTCCCTCGTG	CGCTCTCCTG	TTCCGACCCT	GCCGCTTACC
5761	GGATACCTGT	CCGCCTTTCT	CCCTTCGGGA	AGCGTGGCGC	TTTCTCATAG	CTCACGCTGT
5821	AGGTATCTCA	GTTCGGTGTA	GGTCGTTCGC	TCCAAGCTGG	GCTGTGTGCA	CGAACCCCCC
5881	GTTCAGCCCG	ACCGCTGCGC	CTTATCCGGT	AACTATCGTC	TTGAGTCCAA	CCCGGTAAGA
5941	CACGACTTAT	CGCCACTGGC	AGCAGCCACT	GGTAACAGGA	TTAGCAGAGC	GAGGTATGTA
6001	GGCGGTGCTA	CAGAGTTCTT	GAAGTGGTGG	CCTAACTACG	GCTACACTAG	AAGAACAGTA

6061	TTTGGTATCT	GCGCTCTGCT	GAAGCCAGTT	ACCTTCGGAA	AAAGAGTTGG	TAGCTCTTGA
6121	TCCGGCAAAC	AAACCACCGC	TGGTAGCGGT	GGTTTTTTTG	TTTGCAAGCA	GCAGATTACG
6181	CGCAGAAAAA	AAGGATCTCA	AGAAGATCCT	TTGATCTTTT	CTACGGGGTC	TGACGCTCAG
6241	TGGAACGAAA	ACTCACGTTA	AGGGATTTTG	GTCATGAGAT	TATCAAAAAG	GATCTTCACC
6301	TAGATCCTTT	TAAATTAAAA	ATGAAGTTTT	AAATCAATCT	AAAGTATATA	TGAGTAAACT
6361	TGGTCTGACA	GTTACCAATG	CTTAATCAGT	GAGGCACCTA	TCTCAGCGAT	CTGTCTATTT
6421	CGTTCATCCA	TAGTTGCCTG	ACTCCCCGTC	GTGTAGATAA	CTACGATACG	GGAGGGCTTA
6481	CCATCTGGCC	CCAGTGCTGC	AATGATACCG	CGAGACCCAC	GCTCACCGGC	TCCAGATTTA
6541	TCAGCAATAA	ACCAGCCAGC	CGGAAGGGCC	GAGCGCAGAA	GTGGTCCTGC	AACTTTATCC
6601	GCCTCCATCC	AGTCTATTAA	TTGTTGCCGG	GAAGCTAGAG	TAAGTAGTTC	GCCAGTTAAT
6661	AGTTTGCGCA	ACGTTGTTGC	CATTGCTACA	GGCATCGTGG	TGTCACGCTC	GTCGTTTGGT
6721	ATGGCTTCAT	TCAGCTCCGG	TTCCCAACGA	TCAAGGCGAG	TTACATGATC	CCCCATGTTG
6781	TGCAAAAAAG	CGGTTAGCTC	CTTCGGTCCT	CCGATCGTTG	TCAGAAGTAA	GTTGGCCGCA
6841	GTGTTATCAC	TCATGGTTAT	GGCAGCACTG	CATAATTCTC	TTACTGTCAT	GCCATCCGTA
6901	AGATGCTTTT	CTGTGACTGG	TGAGTACTCA	ACCAAGTCAT	TCTGAGAATA	GTGTATGCGG
6961	CGACCGAGTT	GCTCTTGCCC	GGCGTCAATA	CGGGATAATA	CCGCGCCACA	TAGCAGAACT
7021	TTAAAAGTGC	TCATCATTGG	AAAACGTTCT	TCGGGGCGAA	AACTCTCAAG	GATCTTACCG
7081	CTGTTGAGAT	CCAGTTCGAT	GTAACCCACT	CGTGCACCCA	ACTGATCTTC	AGCATCTTTT
7141	ACTTTCACCA	GCGTTTCTGG	GTGAGCAAAA	ACAGGAAGGC	AAAATGCCGC	AAAAAAGGGA
7201	ATAAGGGCGA	CACGGAAATG	TTGAATACTC	ATACTCTTCC	TTTTTCAATA	TTATTGAAGC
7261	ATTTATCAGG	GTTATTGTCT	CATGAGCGGA	TACATATTTG	AATGTATTTA	GAAAAATAAA
7321	CAAATAGGGG	TTCCGCGCAC	ATTTCCCCGA	AAAGTGCCAC	CTGACTGCCG	GGCCTCTTGC
7381	GGGATCGGCG	AGGCTAGTTA	CCCTCGAGAT	CTGGAAAAAC	AAATCGAGTT	GTTAAAGTTA
7441	AGAGCACAGT	TTAAGAATAA	TGAAAAAAAG	GACTGATCCT	TGATTAAAAA	GTTCAACTGT
7501	TCGATAATAG	GATAGGTAGA	TGGACGAATA	TGACTATTTT	TATTCCACAA	AATGAGAGGA
7561	GATAGGTAAA	ATGCCCTATT	CACCAACGCT	TTTAGAAGGT	GCTGTATCGG	ATATATTGCT
7621	ACATAAAAAA	ATTCTTTCAC	CAAAAGATTT	ACGTCCAGAA	TTTCTGTCTA	AAAGATTTGG
7681	GATTGAAATT	ATGACTGGAA	AAACATCTTA	TGCTTACATT	GACTCAGATG	TTAAAGTGTT
7741	TGTTTTAGAT	AAAAAAGTTG	AAGAAAAAGA	GAGGAACTAT	CAATTCCATA	AACTTTTTGC
7801	TCATACCTTG	CTACATGAGG	AAAATCATTT	AGAGATACCC	ATGGAAGTAT	ATGAAAAACA
7861	TTCAGAAGAA	GCAGAAAGGC	TAACTTGGGT	GGAAGCTATA	CCATATCATA	TGCTACGTTA
7921	CATTGACTTT	AGCGACCCTG	AGTTTATAAA	ACA		

测序结果	本批次（034196lyc）测序序列与上述序列完全一致。
关联产品	pMDIII 质粒 DNA

20260408zt