天净沙系列

CAT#:1-2168

常温运输，-20℃保存

天净沙

pEvol-pAzFRS.2.t1 质粒 DNA

pEvol-pAzFRS.2.t1 Plasmid DNA

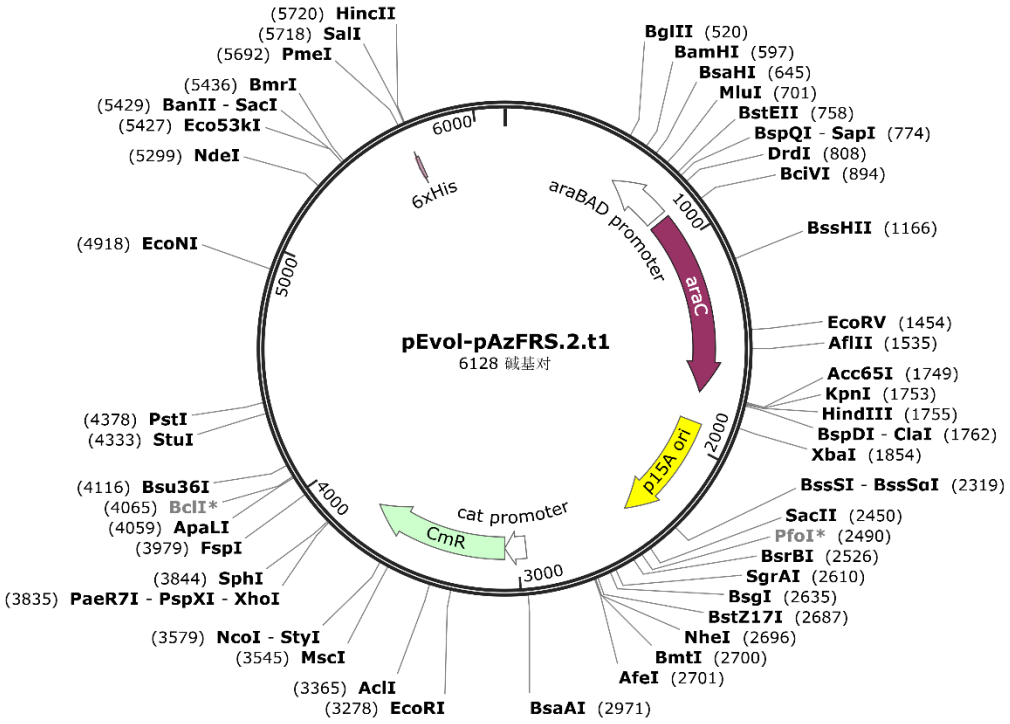
使用手册 V1.0

北京天净沙基因科技有限公司

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产品及特点

pEvol-pAzFRS.2.t1 质粒 DNA 是一款全长 6128 bp 的环状质粒载体，携带阿拉伯糖诱导的 pAzF 氨酰-tRNA 合成酶表达系统，常用于在大肠杆菌宿主中位点特异性地掺入非天然氨基酸。该质粒具有 p15A ori 复制子，携带氯霉素抗性基因。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
pEvol-pAzFRS.2.t1 质粒 DNA 干粉	1-2168	2 μg	0.5 mL 本色管
使用手册	sc1-2168	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

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1     CTGCTCCATC CCTCCAACAG CAACATCAAC GCCCCTATAA TGACAACCAT TAACCTGCAT
61    TATTGGATAG ATAACTTCAG CAACCTTTGG ATTTTCATCC TCTCTTGCTA TAAGTTCCAT
121   ACTCCTTCTT GCTCTTTTTA AGGTAGTTTT TAAAGCCAAT CTATAGACAT TCAGTGTATA
181   ATCCTTATCA AGCATATAAG TACTTCCATA AACATATTTT GCCTTTAACC CCATTGCTTC
241   AAAAACTTTT TTGTTATAAT CTCCTATTTT TCTAATCTCA TCCAACTCTC CTTTCTGGTT
301   TAAATAGGCG TGTAAATCAG CCAACAATAT AATTATATCA AATCCAGCAT TTTGTAAATC
361   AATCATCTTT TTTATTTGGA GATAATGCCC TAAATGTATT TTACCACTTG GTTCAAAACC
421   TATCAGAGCA GATTTTTCAT CTTTTTTTAA AACCTCTCTT AACTCTTCCT CGCTGATAAT
481   TTCAGATGTG TTTCTCTTTA TCATTTCAAA TTCGTCCATA GATCTAATTC CTCCTGTTAG
541   CCCAAAAAAA CGGGTATGGA GAAACAGTAG AGAGTTGCGA TAAAAAGCGT CAGGTAGGAT
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601	CCGCTAATCT	TATGGATAAA	AATGCTATGG	CATAGCAAAG	TGTGACGCCG	TGCAAATAAT
661	CAATGTGGAC	TTTTCTGCCG	TGATTATAGA	CACTTTTGTT	ACGCGTTTTT	GTCATGGCTT
721	TGGTCCCGCT	TTGTTACAGA	ATGCTTTTAA	TAAGCGGGGT	TACCGGTTTG	GTTAGCGAGA
781	AGAGCCAGTA	AAAGACGCAG	TGACGGCAAT	GTCTGATGCA	ATATGGACAA	TTGGTTTCTT
841	CTCTGAATGG	CGGGAGTATG	AAAAGTATGG	CTGAAGCGCA	AAATGATCCC	CTGCTGCCGG
901	GATACTCGTT	TAATGCCCAT	CTGGTGGCGG	GTTTAACGCC	GATTGAGGCC	AACGGTTATC
961	TCGATTTTTT	TATCGACCGA	CCGCTGGGAA	TGAAAGGTTA	TATTCTCAAT	CTCACCATTC
1021	GCGGTCAGGG	GGTGGTGAAA	AATCAGGGAC	GAGAATTTGT	TTGCCGACCG	AGTGATATTT
1081	TGCTGTTCCC	GCCAGGAGAG	ATTCATCACT	ACGGTCGTCA	TCCGGAGGCT	CGCGAATGGT
1141	ATCACCAGTG	GGTTTACTTT	CGTCCGCGCG	CCTACTGGCA	TGAATGGCTT	AACTGGCCGT
1201	CAATATTTGC	CAATACGGGG	TTCTTTCGCC	CGGATGAAGC	GCACCAGCCG	CATTTCAGCG
1261	ACCTGTTTGG	GCAAATCATT	AACGCCGGGC	AAGGGGAAGG	GCGCTATTCG	GAGCTGCTGG
1321	CGATAAATCT	GCTTGAGCAA	TTGTTACTGC	GGCGCATGGA	AGCGATTAAC	GAGTCGCTCC
1381	ATCCACCGAT	GGATAATCGG	GTACGCGAGG	CTTGTCAGTA	CATCAGCGAT	CACCTGGCAG
1441	ACAGCAATTT	TGATATCGCC	AGCGTCGCAC	AGCATGTTTG	CTTGTCGCCG	TCGCGTCTGT
1501	CACATCTTTT	CCGCCAGCAG	TTAGGGATTA	GCGTCTTAAG	CTGGCGCGAG	GACCAACGTA
1561	TCAGCCAGGC	GAAGCTGCTT	TTGAGCACCA	CCCGGATGCC	TATCGCCACC	GTCGGTCGCA
1621	ATGTTGGTTT	TGACGATCAA	CTCTATTTCT	CGCGGGTATT	TAAAAAATGC	ACCGGGGCCA
1681	GCCCGAGCGA	GTTCCGTGCC	GGTTGTGAAG	AAAAAGTGAA	TGATGTAGCC	GTCAAGTTGT
1741	CATAATTGGG	TACCAAGCTT	ATCGATGATA	AGCTGTCAAA	CATGAGAATT	ACAACTTATA
1801	TCGTATGGGG	CTGACTTCAG	GTGCTACATT	TGAAGAGATA	AATTGCACTG	AAATCTAGAA
1861	ATATTTTATC	TGATTAATAA	GATGATCTTC	TTGAGATCGT	TTTGGTCTGC	GCGTAATCTC
1921	TTGCTCTGAA	AACGAAAAAA	CCGCCTTGCA	GGGCGGTTTT	TCGAAGGTTC	TCTGAGCTAC
1981	CAACTCTTTG	AACCGAGGTA	ACTGGCTTGG	AGGAGCGCAG	TCACCAAAAC	TTGTCCTTTC
2041	AGTTTAGCCT	TAACCGGCGC	ATGACTTCAA	GACTAACTCC	TCTAAATCAA	TTACCAGTGG
2101	CTGCTGCCAG	TGGTGCTTTT	GCATGTCTTT	CCGGGTTGGA	CTCAAGACGA	TAGTTACCGG
2161	ATAAGGCGCA	GCGGTCGGAC	TGAACGGGGG	GTTCGTGCAT	ACAGTCCAGC	TTGGAGCGAA
2221	CTGCCTACCC	GGAACTGAGT	GTCAGGCGTG	GAATGAGACA	AACGCGGCCA	TAACAGCGGA
2281	ATGACACCGG	TAAACCGAAA	GGCAGGAACA	GGAGAGCGCA	CGAGGGAGCC	GCCAGGGGGA
2341	AACGCCTGGT	ATCTTTATAG	TCCTGTCGGG	TTTCGCCACC	ACTGATTTGA	GCGTCAGATT
2401	TCGTGATGCT	TGTCAGGGGG	GCGGAGCCTA	TGGAAAAACG	GCTTTGCCGC	GGCCCTCTCA
2461	CTTCCCTGTT	AAGTATCTTC	CTGGCATCTT	CCAGGAAATC	TCCGCCCCGT	TCGTAAGCCA
2521	TTTCCGCTCG	CCGCAGTCGA	ACGACCGAGC	GTAGCGAGTC	AGTGAGCGAG	GAAGCGGAAT
2581	ATATCCTGTA	TCACATATTC	TGCTGACGCA	CCGGTGCAGC	CTTTTTTCTC	CTGCCACATG
2641	AAGCACTTCA	CTGACACCCT	CATCAGTGCC	AACATAGTAA	GCCAGTATAC	ACTCCGCTAG
2701	CGCTGATGTC	CGGCGGTGCT	TTTGCCGTTA	CGCACCACCC	CGTCAGTAGC	TGAACAGGAG
2761	GGACAGCTGA	TAGAAACAGA	AGCCACTGGA	GCACCTCAAA	AACACCATCA	TACACTAAAT
2821	CAGTAAGTTG	GCAGCATCAC	CCGACGCACT	TTGCGCCGAA	TAAATACCTG	TGACGGAAGA
2881	TCACTTCGCA	GAATAAATAA	ATCCTGGTGT	CCCTGTTGAT	ACCGGGAAGC	CCTGGGCCAA
2941	CTTTTGGCGA	AAATGAGACG	TTGATCGGCA	CGTAAGAGGT	TCCAACTTTC	ACCATAATGA
3001	AATAAGATCA	CTACCGGGCG	TATTTTTTGA	GTTATCGAGA	TTTTCAGGAG	CTAAGGAAGC
3061	TAAAATGGAG	AAAAAAATCA	CTGGATATAC	CACCGTTGAT	ATATCCCAAT	GGCATCGTAA
3121	AGAACATTTT	GAGGCATTTC	AGTCAGTTGC	TCAATGTACC	TATAACCAGA	CCGTTCAGCT
3181	GGATATTACG	GCCTTTTTAA	AGACCGTAAA	GAAAAATAAG	CACAAGTTTT	ATCCGGCCTT
3241	TATTCACATT	CTTGCCCGCC	TGATGAATGC	TCATCCGGAA	TTCCGTATGG	CAATGAAAGA
3301	CGGTGAGCTG	GTGATATGGG	ATAGTGTTCA	CCCTTGTTAC	ACCGTTTTCC	ATGAGCAAAC
3361	TGAAACGTTT	TCATCGCTCT	GGAGTGAATA	CCACGACGAT	TTCCGGCAGT	TTCTACACAT

	3421	ATATTCGCAA	GATGTGGCGT	GTTACGGTGA	AAACCTGGCC	TATTTCCCTA	AAGGGTTTAT
	3481	TGAGAATATG	TTTTTCGTCT	CAGCCAATCC	CTGGGTGAGT	TTCACCAGTT	TTGATTTAAA
	3541	CGTGGCCAAT	ATGGACAACT	TCTTCGCCCC	CGTTTTCACC	ATGGGCAAAT	ATTATACGCA
	3601	AGGCGACAAG	GTGCTGATGC	CGCTGGCGAT	TCAGGTTCAT	CATGCCGTTT	GTGATGGCTT
	3661	CCATGTCGGC	AGAATGCTTA	ATGAATTACA	ACAGTACTGC	GATGAGTGGC	AGGGCGGGGC
	3721	GTAATTTTTT	TAAGGCAGTT	ATTGGTGCCC	TTAAACGCCT	GGTTGCTACG	CCTGAATAAG
	3781	TGATAATAAG	CGGATGAATG	GCAGAAATTC	GAAAGCAAAT	TCGACCCTGA	GCTGCTCGAG
	3841	CATGCAAAAA	AGCCTGCTCG	TTGAGCAGGC	TTTTCGAATT	TGGTCCGGCG	GAGGGGATTT
	3901	GAACCCCTGC	CATGCGGATT	TAGAGTCCGC	CGTTCTGCCC	TGCTGAACTA	CCGCCGGAAT
	3961	GCGGGGCGCA	TCTTACTGCG	CAGATACGCC	CTCGTCAATC	CCTTAATAGC	AAAATGCCTT
	4021	TTGATCGGCG	AGAAAGTCAG	CAGGCCGCTT	AGTTAGCCGT	GCACTGATCA	TATCGTCAAT
	4081	TATTACCTCC	ACGGGGAGAG	CCTGAGCAAA	CTGGCCTCAG	GCATTTGAGA	AGCACACGGT
	4141	CACACTGCTT	CCGGTAGTCA	ATAAACCGGT	GCTCACATGT	TGCGAAGCGG	AATTAATTCG
	4201	CGAAGAAAAG	CAGAAAAAAC	GCCGCTGAAC	GCGGCGTTTT	GGATTGTTTG	CTGTTTCTTG
	4261	CCGGATGCGG	CGTGAACGCC	TTATCCGGCC	TACAAAAGCA	CGCAAACTCA	ATATATTGCA
	4321	GAGATCATGT	AGGCCTGATA	AGCGTAGCGC	ATCAGGCAAT	TTAGCGTTTG	AAACTGCAGT
	4381	TATAATCTCT	TTCTAATTGG	CTCTAAAATC	TTTATAAGTT	CTTCAGCTAC	AGCATTTTTT
	4441	AAGCGCATTG	GATGCAATTC	CTTATTTTTA	AATAAACTCT	CTAACTCCTC	ATAGCTATTA
	4501	ACTGTCAAAT	CTCCACCAAA	TTTTTCTGGC	CCTTTTATGG	TTAAAGGATA	TTCAAGGAAG
	4561	TATTTAGCTA	TCTCCATTAT	TGGATTTCCT	TCAACAACTC	CAGCTGGGCA	GTATGCTTTC
	4621	TTTATCTTAG	CCCTAATCTC	TTCTGGAGAG	TCATCAACAG	CTATAAAATT	CCCTTTTGAA
	4681	GAACTCATCT	TTCCTTCTCC	ATCCAAACCC	GTTAAGACAG	GGTTGTGAAT	ACAAACAACC
	4741	TTTTTTGGTA	AAAGCTCCCT	TGCTAACATG	TGTATTTTTC	TCTGCTCCAT	CCCTCCAACA
	4801	GCAACATCAA	CGCCCCTATA	ATGACAACCA	TTAACCTGCA	TTATTGGATA	GATAACTTCA
	4861	GCAACCTTTG	GATTTTCATC	CTCTCTTGCT	ATAAGTTCCA	TACTCCTTCT	TGCCCTTTTT
	4921	AAGGTAGTTT	TTAAAGCCAA	TCTATAGACA	TTCAGTGTAT	AATCCTTATC	AAGCATATAA
	4981	GTACTTCCAT	AAACATATTT	TGCCTTTAAC	CCCATTGCTT	CAAAAACTTT	TTTGTTATAA
	5041	TCTCCTATTT	TTCTAATCTC	ATCCAACTCT	CCTTTCTGGT	TTAAATAGGC	GTGTAAATCA
	5101	GCCAACAATA	TAATTATATC	AAATCCAGCA	TTTTGTAAAT	CAATCATCTT	TTTTATTTGG
	5161	AGATAATGCC	CTAAATGTAT	TTTACCACTT	GGTTCAAAAC	CTATCAGAGC	AGATTTTTCA
	5221	TCCTTTTTTA	AAACCTCTCT	TAACTCTTCC	TCGCTGATAA	TTTCAGATGT	GTTTCTCTTT
	5281	ATCATTTCAA	ATTCGTCCAT	ATGGGATTCC	TCAAAGCGTA	AACAACGTAT	AACGGCGTAT
	5341	GATATTAAAG	CGGGACAGGC	TGACAACTGT	TAGTTTTTTA	AAATTGATAA	TCTAACAAGG
	5401	ATTATGGGGA	TGATTGATGA	CCGGGAGCTC	ACAAACAAGG	CCCAGTCTTT	CGACTGAGCC
	5461	TTTCGTTTTA	TTTGATGCCT	GGCAGTTCCC	TACTCTCGCA	TGGGGAGACC	CCACACTACC
	5521	ATCGGCGCTA	CGGCGTTTCA	CTTCTGAGTT	CGGCATGGGG	TCAGGTGGGA	CCACCGCGCT
	5581	ACTGCCGCCA	GGCAAATTCT	GTTTTATCAG	ACCGCTTCTG	CGTTCTGATT	TAATCTGTAT
	5641	CAGGCTGAAA	ATCTTCTCTC	ATCCGCCAAA	ACAGCCAAGC	TGGAGACCGT	TTAAACTCAA
	5701	TGATGATGAT	GATGATGGTC	GACTTATTAT	AATCTCTTTC	TAATTGGCTC	TAAAATCTTT
	5761	ATAAGTTCTT	CAGCTACAGC	ATTTTTTAAG	CGCATTGGAT	GCAATTCCTT	ATTTTTAAAT
	5821	AAACTCTCTA	ACTCCTCATA	GCTATTAACT	GTCAAATCTC	CACCAAATTT	TTCTGGCCCT
	5881	TTTATGGTTA	AAGGATATTC	AAGGAAGTAT	TTAGCTATCT	CCATTATTGG	ATTTCCTTCA
	5941	ACAACTCCAG	CTGGGCAGTA	TGCTTTCTTT	ATCTTAGCCC	TAATCTCTTC	TGGAGAGTCA
	6001	TCAACAGCTA	TAAAATTCCC	TTTTGAAGAA	CTCATCTTTC	CTTCTCCATC	CAAACCCGTT
	6061	AAGACAGGGT	TGTGAATACA	AACAACCTTT	TTTGGTAAAA	GCTCCCTTGC	TAACATGTGT
	6121	ATTTTTCT					

测序结果	本批次（045058lyc）测序序列与上述序列完全一致，与 Addgene 标准序列完全一致。
关联产品	pMDIII 质粒 DNA

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