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CAT#:60908-5540  
低温运输, -20℃ 保存

**TIANDZ**

**pPICZalpha A 质粒**

**pPICZalpha A Plasmid**

**图谱及序列**

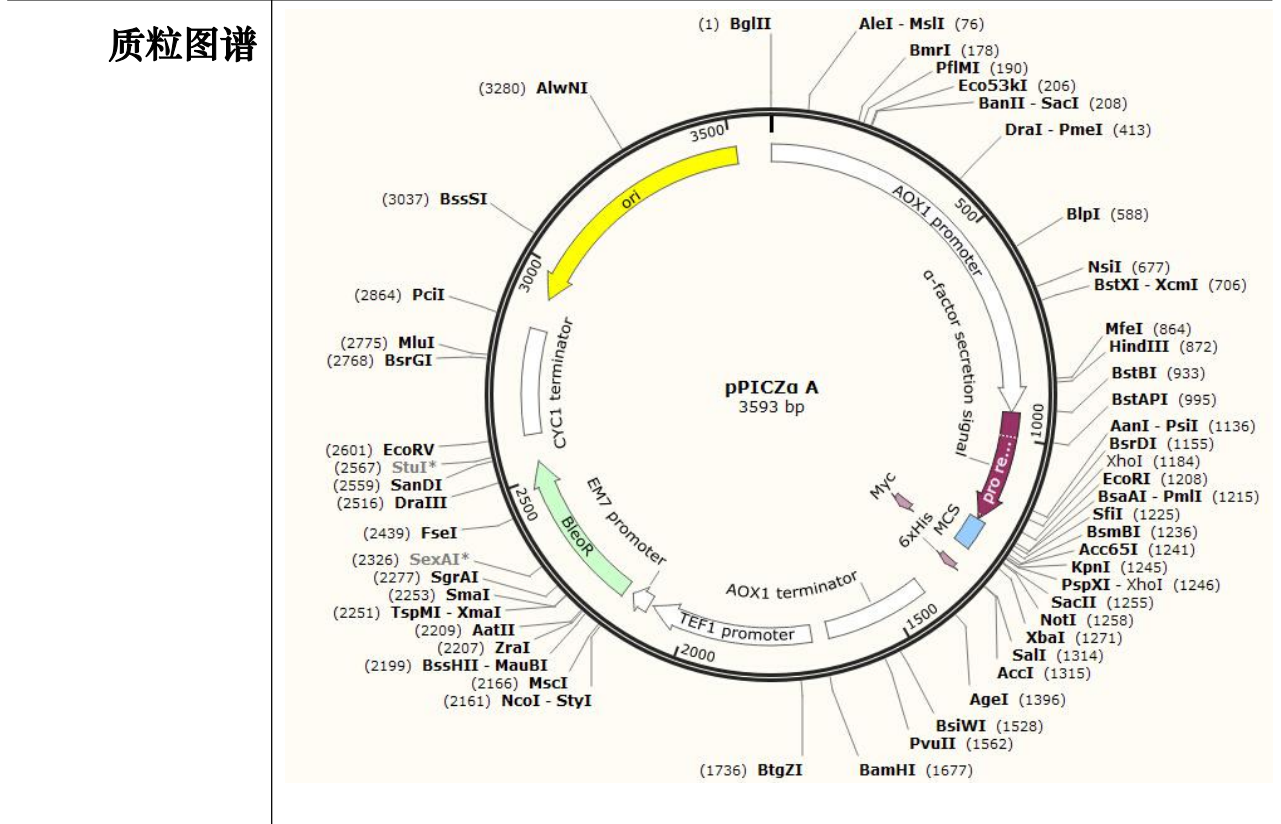
北京天恩泽基因科技有限公司

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<b>产品及特点</b>	质粒名称	pPICZalpha A; pPICZα A		
	质粒大小	3593 bp		
	质粒类型	Pichia pastoris (毕赤酵母蛋白表达载体)		
	抗性	Zeocin (ZeoR)		
	表达水平	高		
	启动子	AOX1		
	稳定性	稳定		
	是否病毒	否		
	测序引物	5' AOX1:5'-GACTGGTTCCAATTGACAAGC-3' 3' AOX1:5'-GCAAATGGCATTCTGACATCC-3'		
<b>规格及成分</b>	成分	产品编号	产品规格	
	pPICZalpha A 质粒 DNA	60908-5540	2 µg	
	使用手册	1 份		
<b>多克隆位点</b>	5' end of AOX1 mRNA <span style="float:right">5' AOX1 priming site</span>			
	811	AACCTTTTT TTTATCATCA TTATTAGCTT ACTTTCATAA TTGCGACTGG TTCCAATTGA		
	871	CAAGCTTTTG ATTTTAACGA CTTTTAACGA CAACTTGAGA AGATCAAAAA ACAACTAATT		
	931	ATTCGAAACG <b>ATG</b> AGA TTT CCT TCA ATT TTT ACT GCT GTT TTA TTC GCA GCA Met Arg Phe Pro Ser Ile Phe Thr Ala Val Leu Phe Ala Ala		
	983	TCC TCC GCA TTA GCT GCT CCA GTC AAC ACT ACA ACA GAA GAT GAA ACG GCA Ser Ser Ala Leu Ala Ala Pro Val Asn Thr Thr Thr Glu Asp Glu Thr Ala		
	<i>α-factor signal sequence</i>			
	1034	CAA ATT CCG GCT GAA GCT GTC ATC GGT TAC TCA GAT TTA GAA GGG GAT TTC Gln Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe		
	1085	GAT GTT GCT GTT TTG CCA TTT TCC AAC AGC ACA AAT AAC GGG TTA TTG TTT Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu Phe		
	<i>Xho I*</i>			
	1136	ATA AAT ACT ACT ATT GCC AGC ATT GCT GCT AAA GAA GAA GGG GTA TCT CTC Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val Ser Leu		
	<i>Kex2 signal cleavage</i>			
	1187	GAG AAA AGA GAG GCT GAA GC GAATTCAC GTGGCCAG CCGGCCGTC TCGGATCGGT Glu Lys Arg Glu Ala Glu Ala		
	<i>Ste13 signal cleavage</i>			
	<i>Kpn I Xho I Sac II Not I Xba I c-myc epitope</i>			
1244	ACCTCGAGCC GCGGCGGCC GCCAGCTTTC TA GAA CAA AAA CTC ATC TCA GAA GAG Glu Gln Lys Leu Ile Ser Glu Glu			
<i>polyhistidine tag</i>				
1299	GAT CTG AAT AGC GCC GTC GAC CAT CAT CAT CAT CAT TGA GTTTGTAGCC Asp Leu Asn Ser Ala Val Asp His His His His His His ***			
1351	TTAGACATGA CTGTTCTCA GTTCAAGTTG GGCATTACG AGAAGACCGG TCTTGCTAGA			
3' AOX1 priming site				
1411	TTCTAATCAA GAGGATGTCA GAATGCCATT TGCCTGAGAG ATGCAGGCTT CATTTTTGAT			
3' polyadenylation site				
1471	ACTTTTTTAT TTGTAACCTA TATAGTATAG GATTTTTTTT GTCATTTTGT TTCTTCTCGT			

运输及保存	低温运输，-20℃保存，有效期一年。
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使用方法	具体步骤请见分子克隆手册等工具书。
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主要功能区	名称	位置	长度(bp)	类别
		AOX1 promoter	2-940	939
	α-factor secretion signal	941-1207	267	编码区
	MCS	1208-1276	69	misc_feature
	Myc	1275-1304	30	编码区
	6×His	1320-1337	18	编码区
	AOX1 terminator	1417-1663	247	终止子
	TEF1 promoter	1703-2089	387	启动子
	EM7 promoter	2097-2144	48	启动子
	BleoR	2163-2537	375	编码区
	CYC1 terminator	2603-2850	248	终止子
	ori	2925-3513	589	复制起始区

## 质粒序列

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