

Data Sheet

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pASK-IBA63a-plus

Cat. No. : 2-1463-100

Lot No.: 1463-

Last date of revision
May 10

Version 1463-100-4

Description	Expression plasmid. The expression cassette is under transcriptional control of the tetracycline promoter/operator.
Affinity tag	<i>Strep-Tactin</i> [®] affinity tag (<i>Strep-tag II</i> [®]) for the purification of recombinant protein. The affinity tag is fused to the C-terminus of the recombinant protein.
Bacterial Expression	Expression is induced upon addition of 200 µg anhydrotetracycline (order no.: 2-0401-001; 2-0401-002) per 1 liter <i>E. coli</i> shaking culture ($A_{550} = 0.5$).
Expression strain	Any <i>E. coli</i> strain. The <i>tet</i> -promoter works independently from the genetic background of <i>E. coli</i> .
Resistance	Ampicillin
Form	5 µg, dissolved in 10 mM Tris/HCl pH 8.0, 1 mM EDTA; 20 µl
Concentration	250 ng/µl
Storage	4 °C for frequent usage, -20 °C for long-term storage

For research use only

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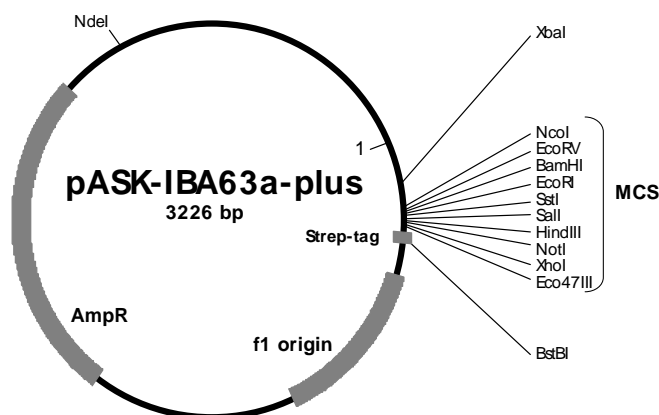
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Multiple Cloning Site of pASK-IBA63a-plus

1	CCATCGAATGGCCAGATGATTAATTCCTAATTTTTGTTGACTCTATCATTGATAGAGTTATTTTACCACTCCCTA	77
	forward primer	
78	TCAGTGTAGAGAAAAGTGAATGAATAGTTCGACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATAC	157
	XbaI	
	M A D I G S E F E L R R Q A C G R T R E R L E P P A	
	Strep-tag W S H P Q	
158	CATGGCTGATATCGGATCCGAATTCGAGCTCCGTCGACAAGCTTGC GGCCGCACTCGAGAGCGCTTGGAGCCACCCGAG	237
	NcoI EcoRV BamHI EcoRI SstI SalI HindIII NotI XhoI Eco47III	
	F E K *	
	V R K I M S L T C E V K N G A H C A T F F L S A V Y R	
238	TTCGAAAAATAATGAGCTTGACCTGTGAAGTGA AAAATGGCGCACATTGTGCGACATTTTTTTGTCTGCCGTTTACCGC	317
	BstBI reverse	
	Y C V T D L H A P C S G A L S A A G V V V T R S V T A	
318	TACTGCGTCACGGATCTCCACGGCCCTGTAGCGGCGCATTAAAGCGGGCGGGTGTGGTGTACCGCAGCGTGACCGC	397
	primer	

Features of pASK-IBA63a-plus

	from bp	to bp
promoter	37	72
forward primer binding site	57	76
multiple cloning site	157	222
Strep-tag	223	250
reverse primer binding site	308	324
f1 origin	337	775
AmpR resistance gene	924	1784
Tet-repressor	1794	2417
Col E1 origin	2570	3158



Sequencing primers:

Forward: 5' - GAGTTATTTTACCACTCCCT -3'

Reverse: 5' - CGCAGTAGCGGTAAACG -3'