

Data Sheet

pASK-IBA63b-plus

Cat. No. : 2-1463-200

Lot No.: 1463-

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Version 1463-200-1

Description	Expression plasmid. The expression cassette is under transcriptional control of the tetracycline promoter/operator.
Affinity tag	<i>Strep</i> -Tactin affinity tag (<i>Strep</i> -tag II) 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

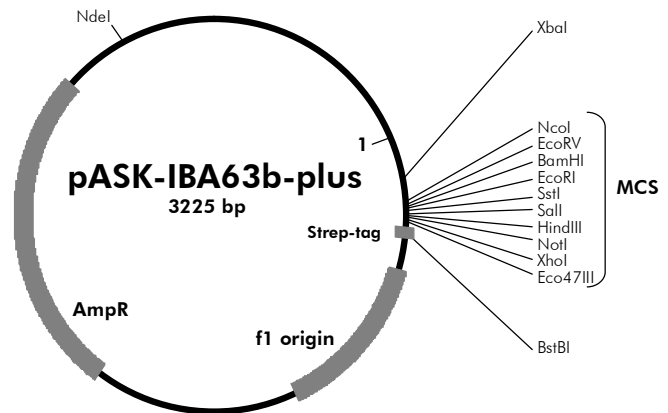
Strep-tag® technology for protein purification and detection is covered by US patent 5,506,121, UK patent 2272698 and French patent 93 13 066; the tetracycline promoter based expression system is covered by US patent 5,849,576 and *Strep*-Tactin® is covered by US patent 6,103,493. Further patent applications are pending world-wide. Purchase of reagents related to these technologies from IBA provides a license for non-profit and in-house research use only. Expression or purification or other applications of above mentioned technologies for commercial use require a separate license from IBA. A license may be granted by IBA on a case-by-case basis, and is entirely at IBA's discretion. Please contact IBA for further information on licenses for commercial use. *Strep*-tag® and *Strep*-Tactin® are registered trademarks of IBA GmbH.

Multiple Cloning Site of pASK-IBA63b-plus

1	CCATCGAATGGCCAGATGATTAATTCCTAATTTTTGTGACACTCTATCATTGATAGAGTTATTTTACCACTCCCTA	77
	forward primer	
78	TCAGTGATAGAGAAAAGTGAATGAATAGTTCGACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATAC	157
	XbaI	
	M A I S D P N S S S V D K L A A A L E S A W S H P Q	
158	CATGGCGATATCGGATCCGAATTCGAGCTCCGTCGACAAGCTTGC GGCCGCAC TCGAGAGCGCTTGGAGCCACCCGAGT	237
	NcoI EcoRV BamHI EcoRI SstI SalI HindIII NotI XhoI Eco47III	
	F E K *	
238	TCGAAAAATAATGAGCTTGACCTGTGAAGTGAAAAATGGCGCACATTGTGCGACATTTTTTTTGTCTGCCGTTTACCGCT	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	ACTGCGTCACGGATCTCCACGCGCCCTGTAGCGGCGCATTAAAGCGCGCGGGTGTGGTGGTTACGCGCAGCGTGACCGCT	397
	primer	

Features of pASK-IBA63b-plus

	from bp	to bp
promoter	37	72
forward primer binding site	57	76
multiple cloning site	157	221
Strep-tag	222	249
reverse primer binding site	307	323
f1 origin	336	774
AmpR resistance gene	923	1783
Tet-repressor	1793	2416



Sequencing primers:

Forward: 5' - GAGTTATTTTACCACTCCCT -3'

Reverse: 5' - CGCAGTAGCGGTAAACG -3'