

## Data Sheet

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# pASK-IBA65b-plus

Cat. No. : 2-1465-200

Lot No.: 1465-

Last date of revision  
**May 10**

Version 1465-200-3

<b>Description</b>	Expression plasmid. The expression cassette is under transcriptional control of the tetracycline promoter/operator.
<b>Affinity tag</b>	<i>Strep-Tactin</i> <sup>®</sup> affinity tag ( <i>Strep-tag II</i> <sup>®</sup> ) for the purification of recombinant protein. The affinity tag is fused to the N-terminus of the recombinant protein.
<b>Bacterial Expression</b>	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 ( $A_{550} = 0.5$ ).
<b>Expression strain</b>	Any <i>E. coli</i> strain. The <i>tet</i> -promoter works independently from the genetic background of <i>E. coli</i> .
<b>Resistance</b>	Ampicillin
<b>Form</b>	5 µg, dissolved in 10 mM Tris/HCl pH 8.0, 1 mM EDTA; 20 µl
<b>Concentration</b>	250 ng/µl
<b>Storage</b>	4 °C for frequent usage, -20 °C for long-term storage

## For research use only

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## Multiple Cloning Site of pASK-IBA65b-plus

```

1      CCATCGAATGGCCAGATGATTAATTCCTAATTTTTGTTGACACTCTATCATTGATAGAGTTATTTTACCACTCCCTA  77
      forward primer

78     TCAGTGTAGAGAAAAGTGAAATGAATAGTTTCGACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATAC  157
      XbaI

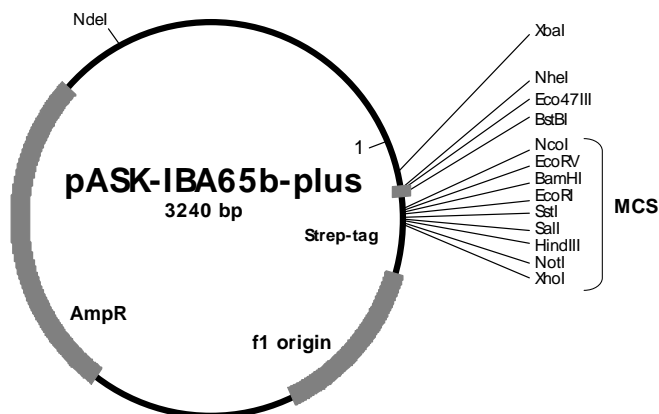
      H G D I G S E F E L R R Q
      Strep-tag P W R Y R I R I R A P S T S
158    M A S A W S H P Q F E K A M A I S D P N S S S V D K
      AAATGGCTAGCGCTTGGAGCCACCCGAGTTCGAAAAAGCCATGGCGATATCGGATCCGAATTCGAGCTCCGTCGACAAG  237
      NheI      BstBI      NcoI      EcoRV BamHI EcoRI SstI Sali HindIII
      Eco47III

      A C G R T R V T N *
      L R P H S S N *
      L A A A L E *
238    CTTGCGGCCGCACTCGAGTAACCTAATTGAGCTTGACCTGTGAAGTGAAAAATGGCGCACATTGTGCGACATTTTTTTTGT  317
      NotI      XhoI

318    CTGCGGTTTACCGCTACTGCGTCAACGGATCTCCACGCGCCCTGTAGCGGCGCATTAAAGCGCGCGGGTGTGGTGGTTACG  397
      reverse primer
  
```

## Features of pASK-IBA65b-plus

	from bp	to bp
promoter	37	72
forward primer binding site	57	76
Strep-tag	172	195
multiple cloning site	197	255
reverse primer binding site	322	338
f1 origin	351	789
AmpR resistance gene	938	1798
Tet-repressor	1808	2431
Col E1 origin	2584	3172



### Sequencing primers:

Forward: 5' - GAGTTATTTTACCACTCCCT -3'

Reverse: 5' - CGCAGTAGCGGTAAACG -3'