

Data Sheet

IBA Headquarters
IBA GmbH
Rudolf-Wissell-Str. 28
D-37079 Göttingen
Germany
Tel. +49 (0) 551-5 06 72-0
Fax +49 (0) 551-5 06 72-181
E-mail info@iba-go.com
<http://www.iba-go.com>

IBA US Distribution Center
10748 Indian Head Industrial
Blvd.
St. Louis, MO 63132
USA
Tel. 1-877-IBA-GmbH
(1-877-422-4624)
Fax 1-888-531-6813
E-mail info@iba-go.com
<http://www.iba-go.com>

pASK-IBA63b-plus

Cat. No. : 2-1463-200

Lot No.: 1463-

Last date of revision
May 10

Version 1463-200-3

| | |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

Important licensing information

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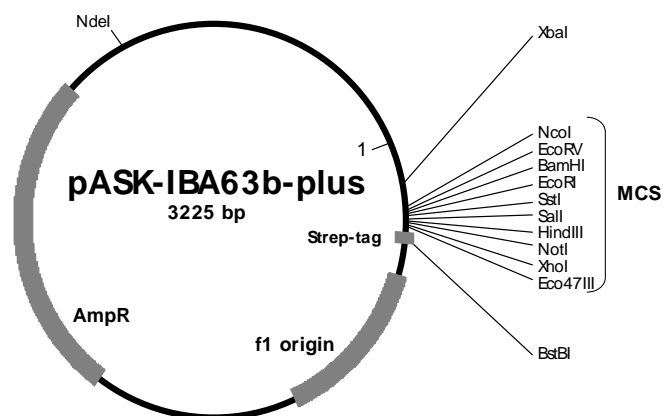
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Multiple Cloning Site of pASK-IBA63b-plus

| | | |
|-----|-------------------------------------------------------------------------------------|-----|
| 1 | CCATCGAATGGCCAGATGATTAATTCCTAATTTTTGTGACTCTATCATTGATAGAGTTATTTTACCACTCCCTA | 77 |
| | forward primer | |
| 78 | TCAGTGTAGAGAAAAGTGAATGAATAGTTCGACAAAAATCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATAC | 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 TCGAGAGCGCTTGGAGCCACCCG CAGT | 237 |
| | NcoI EcoRV BamHI EcoRI SstI SalI HindIII NotI XhoI Eco47III | |
| | F E K * | |
| 238 | TCGAAAAATAATGAGCTTGACCTGTGAAGTGA AAAATGGCGCACATTGTGCGACATTTTTTTTGTCTG CCGTTTACCGCT | 317 |
| | BstBI reverse | |
| 318 | ACTGCGTCACGGATCTCCACGCGCCCTGTAGCGGCGCATTAAAGCGCGGGTGTGGTGGTTACGCGCAGCGTGACCGCT | 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 |
| Col E1 origin | 2569 | 3157 |



Sequencing primers:

Forward: 5' - GAGTTATTTTACCACTCCCT -3'

Reverse: 5' - CGCAGTAGCGGTAAACG -3'