

## Data Sheet

# pASK-IBA7C

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### 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](mailto:info@iba-go.com)  
<http://www.iba-go.com>

### IBA US Distribution Center

10748 Indianhead 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](mailto:info@iba-go.com)  
<http://www.iba-go.com>

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<b>Description</b>	Expression plasmid. The expression cassette is under transcriptional control of the tetracycline promoter/operator. The expressed recombinant protein will be localized in the cytoplasm.
<b>Affinity tag</b>	<i>Strep</i> -Tactin affinity tag ( <i>Strep</i> -tag II) for the purification of recombinant protein. The affinity tag is fused to the N-terminus of the recombinant protein and can be removed by cleavage with factor Xa.
<b>Bacterial Expression</b>	Expression is induced upon addition of 200 $\mu$ g 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>	Chloramphenicol
<b>Form</b>	5 $\mu$ g, dissolved in 10 mM Tris/HCl pH 8.0, 1 mM EDTA; 20 $\mu$ l
<b>Concentration</b>	250 ng/ $\mu$ l
<b>Storage</b>	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.

