

## Data Sheet

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## pASK-IBA44

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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 secreted into the periplasm.
<b>Affinity tag</b>	The recombinant protein will contain two affinity tags: <ol style="list-style-type: none"> <li><b>1)</b> <i>Strep-Tactin</i><sup>®</sup> affinity tag (<i>Strep-tag II</i><sup>®</sup>) for the purification of recombinant protein via <i>Strep-Tactin</i> resins. The <i>Strep-tag</i> is fused to the N-terminus of the recombinant protein.</li> <li><b>2)</b> 6xHistidine-tag for the purification of recombinant protein via Ni-NTA resins. The 6xHistidine-tag is fused to the C-terminus of the recombinant protein.</li> </ol>
<b>Secretion</b>	The ompA signal sequence directs the expressed protein into the periplasmic space and will be cleaved off during the translocation process
<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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