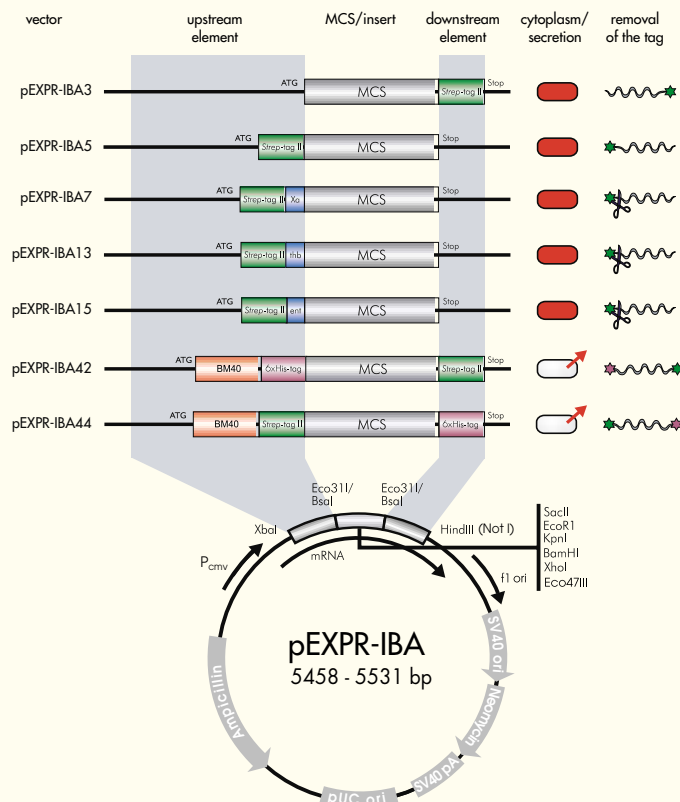


pEXPR-IBA vectors with *Strep-tag*[®] and/or 6xHis-tag for mammalian expression

IBA has just released the new pEXPR-IBA vectors designed for high-level expression and purification of recombinant *Strep-tag* and/or 6x His-tag fusion proteins in mammalian cells. The vectors provide the same cloning strategy and thus are compatible with the corresponding bacterial pASK-IBA plasmids (see back side). This means that a PCR fragment can be cloned into pASK-IBA and its pEXPR-IBA equivalent in

parallel (e.g. pASK-IBA3 \approx pEXPR-IBA3). The human cytomegalovirus immediate-early (CMV) promoter provides strong expression in a wide range of mammalian cells. To prolong expression in transfected cells, the vector will replicate in cell lines that are latently infected with SV40 large T antigen (e.g. COS7). In addition, the Neomycin resistance gene allows direct selection of stable cell lines.



Order information

Cat.no.	description	amount
2-1903-000	pEXPR-IBA3	5 μ g
2-1905-000	pEXPR-IBA5	5 μ g
2-1907-000	pEXPR-IBA7	5 μ g
2-1913-000	pEXPR-IBA13	5 μ g
2-1915-000	pEXPR-IBA15	5 μ g
2-1942-000	pEXPR-IBA42	5 μ g
2-1944-000	pEXPR-IBA44	5 μ g

pEXPR-IBA features

benefits

<i>Strep-tag</i> II	Purification of recombinant protein using <i>Strep</i> -Tactin matrices
CMV immediate-early promoter/enhancer	High-level expression in a wide range of mammalian cells
Multiple cloning site	Insertion of gene of interest and fusion to <i>Strep-tag</i> and/or 6xHis-tag. Compatible with pASK-IBA vectors
Neomycin resistance gene	Selection of stable transfectants in mammalian cells
Ampicillin resistance gene	Selection in <i>E. coli</i>
pUC origin	High-copy number replication in <i>E. coli</i>
BM40 (pEXPR-IBA42 and 44 only)	Secretion of proteins into the medium
Factor Xa, thrombin (thb), enterokinase (ent) cleavage sites	Removal of the <i>Strep-tag</i> if required (generally not necessary)

pASK-IBAplus vectors for *E. coli*

The cytoplasmic pASK-IBA vectors, which are already well established for expression of *Strep-tag*[®] and/or 6xHis-tag fusion proteins, are now offered as “plus” version. This new version contains an improved translation initiation site in-

creasing primary protein yield while the remaining sequence of the “plus” vectors (e.g. pASK-IBA3plus) is identical to its “non-plus” predecessor (e.g. pASK-IBA3*). The “non-plus” version is from now on only available on request.

Below please find a complete list of pASK-IBA *E. coli* vectors allowing the expression of recombinant proteins carrying *Strep-tag* and/or 6xHis-tag.

Except for the antibiotic resistance genes (Amp^R, Cam^R) the pASK-IBA vectors differ only between the *Xba*I and *Hind*III restriction sites.

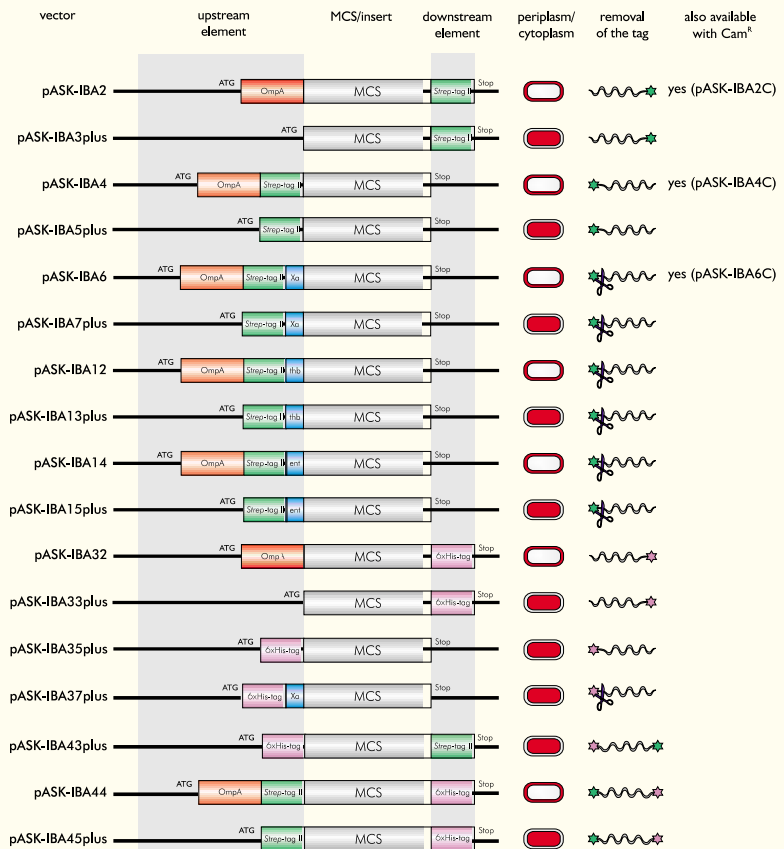
Strep-tag[®], 6xHis-tag and double-tag vectors

For details on double-tags see www.iba-bioTAGnology.com.

For pre-cut versions please refer to www.iba-go.com

Order information

Cat.no.	description	amount
2-1301-000	pASK-IBA2	5 µg
2-1303-000	pASK-IBA4	5 µg
2-1305-000	pASK-IBA6	5 µg
2-1311-000	pASK-IBA12	5 µg
2-1313-000	pASK-IBA14	5 µg
2-1321-000	pASK-IBA2C	5 µg
2-1323-000	pASK-IBA4C	5 µg
2-1325-000	pASK-IBA6C	5 µg
2-1332-000	pASK-IBA32	5 µg
2-1344-000	pASK-IBA44	5 µg
2-1402-000	pASK-IBA3plus	5 µg
2-1404-000	pASK-IBA5plus	5 µg
2-1406-000	pASK-IBA7plus	5 µg
2-1412-000	pASK-IBA13plus	5 µg
2-1414-000	pASK-IBA15plus	5 µg
2-1433-000	pASK-IBA33plus	5 µg
2-1435-000	pASK-IBA35plus	5 µg
2-1437-000	pASK-IBA37plus	5 µg
2-1443-000	pASK-IBA43plus	5 µg
2-1445-000	pASK-IBA45plus	5 µg



*Exception: pASK-IBA43plus contains a *Nhe*I restriction site between the ATG start codon and the N-terminal 6xHis tag, which is not included in pASK-IBA43.

