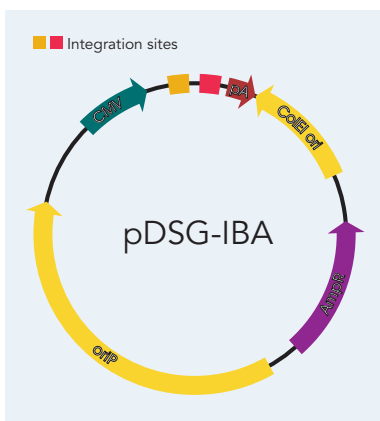
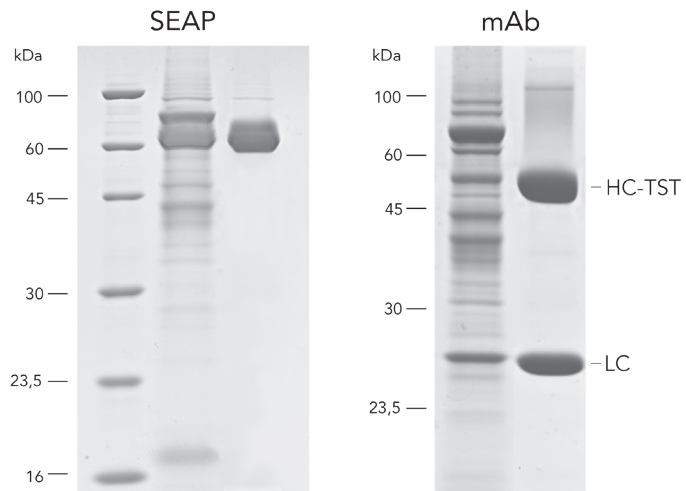


The MEXi system combines high protein yields with high purity

Secreted alkaline phosphatase (SEAP) and a mAb, both fused with Twin-Strep-tag® (TST), were expressed with the MEXi system and purified via the TST resulting in high yields of pure protein: 143 mg/l cell culture for SEAP and 96 mg/l for the mAb, heavy (HC) and light chain (LC).



pDSG-IBA expression vector:
Available with different tags, like Twin-Strep-tag®, Strep-tag®II and 6xHis-tag and BM40 secretion signal.

Protein expression in mammalian cells has experienced an increased usage within the last years. In contrast to other expression systems (like *E. coli*) recombinant proteins produced in mammalian expression systems can provide more post-translational modifications, such as glycosylation, which are a necessity for the functionality of the expressed proteins.

IBA's mammalian expression system MEXi offers all essential components for efficient protein expression:

- › HEK293E cell-line, cell-culture media and expression vector are perfectly matched to provide high protein yields without further optimization
- › Transient expression for time and cost efficient protein production
- › Efficient nuclear import and extrachromosomal replication due to vector encoded EBV origin of replication (oriP) and EBNA-1 provided by MEXi-293E cells
- › Multiple expression vectors with different features available
- › Twin-Strep-tag® for highly pure proteins

Cat. No.	Name
5-52XX-000	pDSG-IBA Expression vectors
2-6010-010	MEXi-CM Culture Medium
2-6011-010	MEXi-TM Transfection Medium
2-6001-001	MEXi-293E HEK293E cell line