

Data Sheet

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pEXPR-IBA17

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Description	Eukaryotic expression vector designed for high-level stable and non-replicative transient expression in most mammalian hosts containing the following elements: <ul style="list-style-type: none"> • Human cytomegalovirus (CMV) immediate-early promoter for high-level expression in a wide range of mammalian cells • Multiple cloning site • Neomycin resistance gene for selection of stable cell lines • Episomal replication in cell lines that are latently infected with SV40 or that express the SV40 large T antigen (e.g. COS-1, COS-7) • The expressed recombinant protein will be localized in the cytoplasm. • <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 cleavage with TEV protease (tobacco etch virus). TEV protease is a site-specific protease with a seven amino acid recognition site (in pEXPR-IBA17: ENLYFQG) and cleavage occurs between glutamine (Q) and glycine (G).
Resistance for selection in E. coli	Ampicillin
Form	5 µg, dissolved in TE buffer (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
Shipment	Room temperature

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. Use of the CMV promoter is covered under U.S. patent nos. 5,168,062 and 5,385,839 owned and licensed by the University of Iowa Research Foundation and may be used for research purposes only. Commercial users must obtain a license to these patents directly from the University of Iowa Research Foundation. Inquiries for commercial use should be directed to: Brenda Akins, University of Iowa Research Foundation (UIRF), 214 Technology Innovation Center, Iowa City, IA 52242.

