

Product information

VAMP2, 1-94aa

Human, His-tagged, Recombinant, *E.coli*

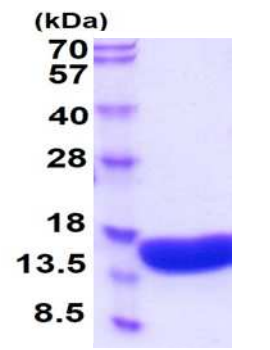
Cat. No. IBATGP3636

Full name: Vesicle-associated membrane protein 2 isoform 1

NCBI Accession No.: NP_055047

Synonyms: VAMP-2, SYB2

Description: VAMP2, also known as vesicle-associated membrane protein 2 isoform 1, which is an integral membrane protein localized to the cytoplasmic surface of synaptic vesicle, consists of a proline-rich N-terminal region, a highly conserved hydrophilic domain, followed by a transmembrane anchor and a C-terminal. VAMP2 is predominantly expressed in Langerhans islets and glomerular cells. The N-terminal domain of the protein forms a specific SNARE complex with the target membrane-associated t- or Q-SNAREs syntaxin 1 and SNAP-25. Recombinant human VAMP2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and using conventional chromatography.

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| <p>Form: Liquid In Phosphate buffered saline (pH 7.4) containing 10% Glycerol 0.1mM PMSF</p> <p>Molecular Weight: 12.8 kDa (118aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 0.5mg/ml (determined by Bradford assay)</p> |  |
| <p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MGSMSATAA TAPPAAPAGE GGPPAPPNNL TSNRRLQQTQ AQVDEVVDIM RVNVDKVLER DQKLSELDDR ADALQAGASQ FETSAAKLKR KYWWKNLK</p> | |

General references:

- Lin RC., *et al.* (1997) *Neuron*. 19(5):1087-94.
Hanson PI., *et al.* (1997) *Cell*. 90(3):523-35.
Scales SJ., *et al.* (2002) *J Biol Chem*. 277(31):28271-9.
Windoffer R., *et al.* (1999) *Cell Tissue Res*. 296(3):499-510.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:
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Product information

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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