

Product information

Vamp2, 1-94aa

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

Cat. No. IBATGP3555

Full name: Vesicle-associated membrane protein 2

NCBI Accession No.: NP_033523

Synonyms: Syb-2, Syb2, syb1

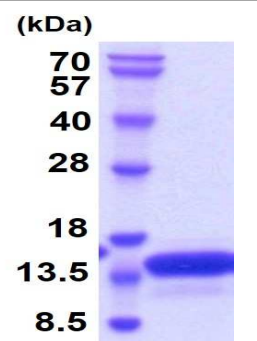
Description: Vamp2, also known as Vesicle-associated membrane protein 2, is involved in the targeting and/or fusion of transport vesicles to their target membrane. It modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1. Vamp2 proteins localized to the 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. This proteins also known to mediate cAMP-stimulated exocytosis in nerve cells and in renal cells of the juxtaglomerular apparatus. Recombinant mouse Vamp2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography

Form: Liquid. In Phosphate Buffered Saline (pH7.4) containing 1mM EDTA, 0.1mM PMSF, 10% glycerol

Molecular Weight: 12.8 kDa (118aa) Confirmed by MALDI-TOF

Purity: > 90% by SDS-PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SGLVPRGSH MGSHMSATAA TVPPAAPAGE GGPPAPPNL TSNRRLQQTQ AQVDEVVDIM RVNVDKVLER DQKLSLEDDR
ADALQAGASQ FETSAAKLKR KYWWKNLK

General references:

Scales S.J., *et al.* (2002) *J Biol Chem.* 277(31):28271-9.

Mendez M., *et al.* (2011) *J Biol Chem.* 286(32):28608-18

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.

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



Manufactured for:

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