

Vamp2, 1-94aa, Mouse, His-tag, E.coli

Cat.NO.: TP04449

3th Edition

Synonyms: Vesicle-associated membrane protein 2, 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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSATAATVPPAAPAGEGGPPAPPPNLTSNRRRLQQTQAQVDEVVDIMRVN
VDKVLERDQKLSLDDRADALQAGASQFETSAAKLKRKYWWKNLK

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.