

VAMP4, 1-115 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP04450

3th Edition

Synonyms:VAMP24, Vesicle-associated membrane protein 4 VAMP 24, VAMP 4, VAMP4 protein, Vesicle associated membrane protein 4, Vesicle associated membrane protein 4, isoform CRA a, Vesicle associated membrane protein 4, isoform CRA b.

Description:VAMP4, also known as vesicle-associated membrane protein 4, is a member of the synaptobrevin family involved in docking and/or fusion of vesicles with cell membrane. This protein is enriched in the trans-Golgi network and may play a role in trans-Golgi network-to-endosome transport. VAMP4 is involved in the pathway that functions to remove an inhibitor (probably synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules. Recombinant human VAMP4 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl, and 20% glycerol.

Molecular Weight:14.5 kDa (123aa), confirmed by MALDI-TOF.

Sequences:

MPPKFKRHLNDDDVTGSVKSERRNLLLEDDSDDEEDFFLRGPGSPRFGPRNDKIKHVQNQVDEVIDVMQENITKIVIE
RGERLDELQDKSESLSDNATAFSNRSKQLRRQMWWRGCKLEHHHHHH

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.