VAMP5, 1-72 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP04451

3th Edition

Synonyms: Vesicle-associated membrane protein 5, Myobrevin, Vesicle-associated membrane protein 5 Camp, VAMP 5, Vesicle associated membrane protein 5.

Description:VAMP5, also known as vesicle-associated membrane protein 5, is a member of the synaptobrevin family and the SNARE superfamily. VAMP5 is the main components of a protein complex involved in the docking and/or fusion of vesicles and cell membranes. This protein may participate in a trafficking events that is associated with myogenesis, such as myoblast fusion and/or GLUT4 trafficking. Recombinant Vamp5 protein was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 5mM DTT, 0.2M NaCl, 0.5mM EDTA

Molecular Weight:12.7 kDa (109 aa), confirmed by MALDI-TOF.

Sequences:
MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMAGIELERCQQQANEVTEIMRNNFGKVLERGVKLA
ELQQRSDQLLDMSSTFNKTTQNLAQKKCWENIRYRIC

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.