Recombinant Human VAMP5, His-tagged

Human, Recombinant (VAMP5, His-tagged)
Expressed in *E.coli*
Cat. No. VAMP5-510H
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Recombinant Vamp5 protein was expressed in *E.coli* and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer. MW = 12.7 kDa (109 aa).

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.

Source: *E.coli.*

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMAG IELERCQQQA NEVTEIMRNN FGKVLERGVK LAELQQRSDQ LLDMSSTFNK TTQNLAQKKC WENIRYRIC.

Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 2mM DTT.

Purity: > 90% by SDS – PAGE.

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

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.

GENE INFORMATION

Gene Name: VAMP5 vesicle-associated membrane protein 5 (myobrevin) [Homo sapiens]

Synonyms: VAMP5; vesicle-associated membrane protein 5 (myobrevin); vesicle-associated membrane protein 5; myobrevin; HSPC191

GeneID: 10791

mRNA Refseq: NM_006634

Protein Refseq: NP_006625

UniProt ID: O95183

Chromosome Location: 2p11.2

MIM: 607029

Pathway: SNARE interactions in vesicular transport

REFERENCES

1. Zeng Q., *et al*. (1998) *Mol Biol Cell*. 9(9):2423-37.
2. Zeng Q., *et al*. (2003) *J Biol Chem*. 278(25):23046-54.

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