

Recombinant Human VAMP5, His-tagged

Cat. No. VAMP5-510H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Vamp5 protein was expressed in <i>E.coli</i> and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer. MW =12.7 kDa (109 aa).
Species	Human
Source	E.coli
ProteinLength	1-72 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.
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMAG IELERCQQQA NEVTEIMRNN FGKVLERGK 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).

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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

Gene ID

10791

mRNA Refseq

NM_006634

Protein Refseq

NP_006625

MIM

607029

UniProt ID

O95183

**Chromosome
Location**

2p11.2

Pathway

SNARE interactions in vesicular transport

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