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## Recombinant human VAMP-5 protein

Catalog Number: ATGP0298

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-72aa

#### **UniProt No.**

095183

#### **NCBI Accession No.**

NP 006625.1

#### **Alternative Names**

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

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

12.7 kDa (109aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 5mM DTT, 0.2M NaCl, 0.5mM EDTA

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

### **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



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renaturation buffer.

### **Amino acid Sequence**

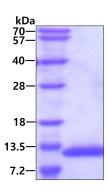
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSH>MAG IELERCQQQA NEVTEIMRNN FGKVLERGVK LAELQQRSDQ LLDMSSTFNK TTQNLAQKKC WENIRYRIC

#### **General References**

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

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

