

# Recombinant human VAMP-5 protein

Catalog Number: ATGP0298

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-72aa

### UniProt No.

O95183

### 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

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### 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

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### 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 FGKVLERGK  
LAELQQRSDQ LLDMSSTFNK TTQNLAQKKC WENIRYRIC

## General References

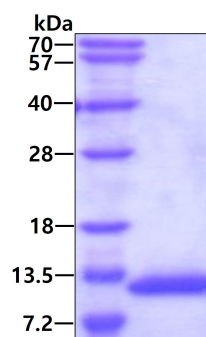
Zeng Q., et al. (1998) Mol Biol Cell. 9(9):2423-37.

Zeng Q., et al. (2003) J Biol Chem. 278(25):23046-54.

## DATA

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### SDS-PAGE



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