

# Recombinant human VAP-B protein

Catalog Number: ATGP0800

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-222aa

### UniProt No.

O95292

### NCBI Accession No.

NP\_004729

### Alternative Names

Vesicle-associated membrane protein-associated protein B/C, ALS8, VAMP-B, VAMP-C, VAP-B, VAP-C

## PRODUCT SPECIFICATION

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### Molecular Weight

27.1 kDa (242aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### 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

VAPB, also known as vesicle-associated membrane protein (VAMP) -associated protein B, is a type IV transmembrane protein and member of the VAP family of proteins. This protein may play a role in vesicle trafficking. It is found in plasma and intracellular vesicle membranes as a homodimer and heterodimer with VAPA, and interacts with VAMP1 and VAMP2. Defects in VAPB are a cause of amyotrophic lateral sclerosis type 8 and spinal muscular atrophy autosomal dominant Finkel type. Recombinant human VAPB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MAKVEQVLSL EPQHELFKFRG PFTDVVTTNL KLGNPTRNV CFKVKTTAPR RYCVRPNSGI  
IDAGASINVS VMLQPFDYDP NEKSKHKFMV QSMFAPDTS DMEAVWKEAK PEDLMDSKLR CVFELPAEND KPHDVEINKI  
ISTTASKTET PIVSKSLSSS LDDTEVKKVM EECKRLQGEV QRLREENKQF KEEDGLMRK TVQSNPISA LAPTGKEEGL ST

### General References

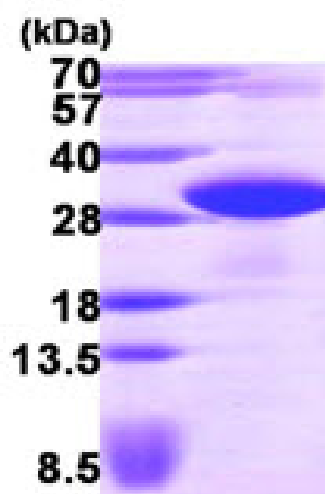
Nishimura AL, et al. (2004), *Am J Hum Genet.*, 75(5):822-31.

Hamamoto I., et al. (2005). *J Virol.*, 79(21):13473-82.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)