Recombinant human VAP-B protein

Catalog Number: ATGP0800

PRODUCT INFORMATION

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

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

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

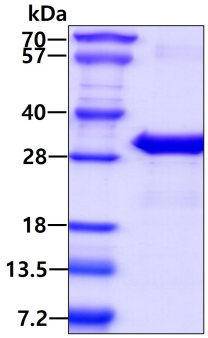
<MGSSHHHHHH SSGLVPRGSH> MAKVEQVLSL EPQHELKFRG PFTDVVTTNL KLGNPTDRNV CFKVKTTAPR RYCVRPNSGI IDAGASINVS VMLQPFDYDP NEKSKHKFMV QSMFAPTDTS DMEAVWKEAK PEDLMDSKLR CVFELPAEND KPHDVEINKI ISTTASKTET PIVSKSLSSS LDDTEVKKVM EECKRLQGEV QRLREENKQF KEEDGLRMRK TVQSNSPISA LAPTGKEEGL ST

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

SDS-PAGE



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