

Recombinant human VAMP-7 protein

Catalog Number: ATGP1686

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-188aa

UniProt No.

P51809

NCBI Accession No.

NP_005629

Alternative Names

Vesicle-associated membrane protein 7, SYBL1, TI-VAMP, TIVAMP, VAMP-7

PRODUCT SPECIFICATION

Molecular Weight

23.8 kDa (211aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% 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

VAMP7 belongs to the synaptobrevin family. This protein is a transmembrane protein that is a member of the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) family. It localizes to late endosomes and lysosomes and is involved in the fusion of transport vesicles to their target membranes. Recombinant human VAMP7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>MAILFAV VARGTILAK HAWCGGNFLE VTEQILAKIP SENNKLTYSH GNYLFHYICQ
DRIVYLCITD DDFERSRAFN FLNEIKKRFQ TTYGSRAQTA LPYAMNSEFS SVLAAQLKHH SENKGLDKVM ETQAQVDELK
GIMVRNIDL V AQRGERLELL IDKTENLVDS SVTFKTTSRN LARAMCMKNL K

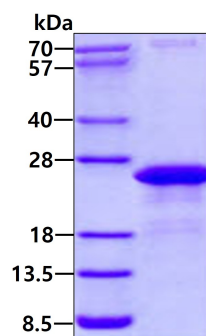
General References

Logan MR, et al. (2006). Allergy. Jun
61(6):777-84.

Marcet-Palacios M, et al. (2008) Biochem Biophys Res Commun. 15
366(3):617-23.

DATA

SDS-PAGE



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