

Recombinant human VTI1B protein

Catalog Number: ATGP1568

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-208aa

UniProt No.

Q9UEU0

NCBI Accession No.

NP_006361

Alternative Names

Vesicle transport through interaction with t-SNAREs homolog 1B, v-SNARE, VTI1, VTI1-LIKE, vti1-rp1, VTI1L, VTI2

PRODUCT SPECIFICATION

Molecular Weight

26.3 kDa (231aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT

Purity

> 85% 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

VTI1B, also known as v-SNARE, mediates vesicle transport pathways through interactions with t-SNAREs on the target membrane. These interactions are proposed to mediate aspects of the specificity of vesicle trafficking and to promote fusion of the lipid bilayers. Recombinant human VTI1B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MASSAAS SEHFELKHEI FRGLHEDLQG VPERLLGTAG TEEKKLIRD

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FDEKQQEANE TLAEMEEELR YAPLSFRNPM MSKLRNYRKD LAKLHREVRS TPLTATPGGR GDMKYGIYAV ENEHMNRLQS
QRAMLLQGTG SLNRATQSIE RSHRIATETD QIGSEIIEEL GEQRDQLERT KSRLVNTSEN LSKSRKILRS MSRKVTTNKL L

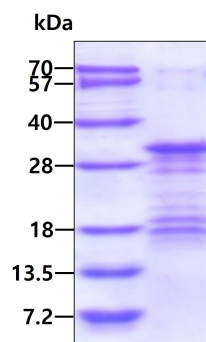
General References

Fischer von Mollard G., et al. (1998) J. Biol. Chem. 273:2624-2630

Daub H., et al. (2008) Mol. Cell. 31:438-448

DATA

SDS-PAGE



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