

# Recombinant Human Vesicle Transport Through Interaction with t-SNAREs Homolog 1B (yeast), His-tagged

**Cat. No.** VTI1B-6792H    **Lot. No.** (See product label)

## SPECIFICATION

|                                |                                                                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>        | Recombinant humanVTI1B protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography.                                                                                                                         |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                             |
| <b>Source</b>                  | E.coli                                                                                                                                                                                                                                                            |
| <b>Description</b>             | VTI1B, also known asv-SNARE, mediates vesicle transport pathways through interactions witht-SNAREs on the target membrane. These interactions are proposed to mediateaspects of the specificity of vesicle trafficking and to promote fusion ofthe lipid bilayers |
| <b>Form</b>                    | Liquid. 20mMTris-HCl buffer (pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT                                                                                                                                                                                  |
| <b>Molecular Weight</b>        | 26.3 kDa (231aa),confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)                                                                                                                                                                         |
| <b>Purity</b>                  | > 85% by SDS -PAGE                                                                                                                                                                                                                                                |
| <b>Concentration</b>           | 0.25 mg/ml(determined by Bradford assay)                                                                                                                                                                                                                          |
| <b>Sequences of aminoacids</b> | MGSSHHHHHHSSGLVPRGSH MGSMASSAAS SEHFEKLHEI FRGLHEDLQG<br>VPERLLGTAG TEEKKKLIRD FDEKQQEANETLAEMEEELR YAPLSFRNPM<br>MSKLRNYRKD LAKLHREVRS TPLTATPGGR GDMKYGIYAV                                                                                                     |

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ENEHMNRLQSQRAMLLQGTE SLNRATQSIE RSHRIATETD QIGSEIIEEL  
GEQRDQLERT KSRLVNTSEN LSKSRKILRSMRKVTTNKL L

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

VTI1B vesicle transport through interaction with t-SNAREs homolog 1B (yeast) [ Homosapiens ]

**Official Symbol**

VTI1B

**Synonyms**

VTI1B; vesicle transport through interaction with t-SNAREs homolog 1B (yeast); vesicle transport through interaction with t-SNAREs homolog 1B; VTI2; HGNC:17793; V SNARE; Vesicle associated soluble NSF attachment protein receptor; Vesicle transport through interaction with t SNAREs 1B; Vesicle transport through interaction with tSNAREs homolog 1B (yeast); Vesicle transport through interaction with t-SNAREs homolog 1B; Vesicle transport v-SNARE protein Vti1-like 1; VTI1; VTI1like; Vti1 rp1; Vti1-rp1; VTI1B; VTI1B\_HUMAN; VTI1L; VTI1L1; VTI2; vesicle transport v-SNARE protein Vti1-like 1; vesicle-associated soluble NSF attachment protein receptor; VTI1; VTI1L; v-SNARE; vti1-rp1; VTI1-LIKE

**Gene ID**

10490

**mRNA Refseq**

NM\_006370

**Protein Refseq**

NP\_006361

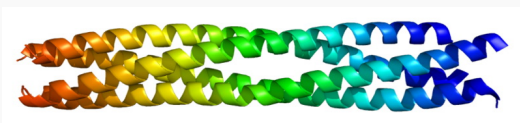
**MIM**

603207

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|                              |                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Uniprot ID                   | Q9UEU0                                                                                                                               |
| Chromosome Location          | 14q23.3                                                                                                                              |
| Pathway                      | SNARE interactions in vesiculartransport, organism-specific biosystem; SNARE interactions in vesiculartransport, conserved biosystem |
| PDB rendering based on 1gl2. |                                                    |