

# 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>	MGSSHHHHHSSGLVPRGSH MGSMASSAAS SEHFELKHEI FRGLHEDLQG VPERLLGTAG TEEKKKLIRD FDEKQQEANETLAEMEEELR YAPLSFRNPM MSKLRNYRKD LAKLHREVRS TPLTATPGGR GDMKYGIYAV

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ENEHMNRLQSQRAMLLQGTE SLNRATQSIE RSHRIATETD QIGSEIIEEL  
GEQRDQLERT KSRLVNTSEN LSKSRKILRSMRSRKVTTNKL 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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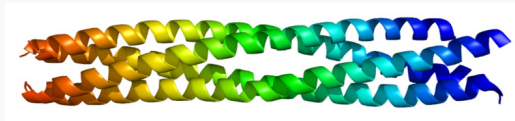
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**Uniprot ID** Q9UEU0

**Chromosome Location** 14q23.3

**Pathway** SNARE interactions in vesiculartransport, organism-specific biosystem; SNARE interactions in vesiculartransport, conserved biosystem

**PDB rendering based on 1gl2.**



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