

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

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

SPECIFICATION

Product Overview	Recombinant humanVTI1B protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography.
Species	Human
Source	E.coli
Description	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
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT
Molecular Weight	26.3 kDa (231aa),confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 85% by SDS -PAGE
Concentration	0.25 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSMASAAAS SEHFELKHEI FRGLHEDLQG VPERLLGTAG TEEKKKLIRD FDEKQQEANETLAEMEEELR YAPLSFRNPM 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.	