

## Product datasheet for TP313934

### VTI1A (NM\_145206) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vesicle transport through interaction with t-SNAREs homolog 1A (yeast) (VTI1A), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213934 representing NM_145206 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSSDFEGYEQDFAVLTAEITSKIARVPRLPPDEKKQMVANVEKQLEEAKELLEQMDLEVREIPPQSRGMY  
SNRMRSYKQEMGKLETDFKRSRIAYSDEVRNELLGDDGNSENQRAHLLDNTERLERSRRLEAGYQIAV  
ETEIQQEMLNLSHDREKIQRARERLRETDANLGKSSRILTGMLRRIIQNRILLVILGIIVITILMAI  
TFSVRRH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	25 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_660207</a></u>
Locus ID:	143187



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UniProt ID: [Q96AJ9](#)  
RefSeq Size: 4401  
Cytogenetics: 10q25.2  
RefSeq ORF: 651  
Synonyms: MMDS3; MVti1; Vti1-rp2; VTI1RP2

**Summary:** The protein encoded by this gene is a member of the family of soluble N-ethylmaleimide-sensitive fusion protein-attachment protein receptors (SNAREs) that function in intracellular trafficking. This family member is involved in vesicular transport between endosomes and the trans-Golgi network. It is a vesicle-associated SNARE (v-SNARE) that interacts with target membrane SNAREs (t-SNAREs). Polymorphisms in this gene have been associated with binocular function, and also with susceptibility to colorectal and lung cancers. A recurrent rearrangement has been found between this gene and the transcription factor 7-like 2 (TCF7L2) gene in colorectal cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

**Protein Families:** Transmembrane

**Protein Pathways:** SNARE interactions in vesicular transport

### Product images:



Coomassie blue staining of purified VTI1A protein (Cat# TP313934). The protein was produced from HEK293T cells transfected with VTI1A cDNA clone (Cat# [RC213934]) using MegaTran 2.0 (Cat# [TT210002]).