

Product datasheet for TP313934

OriGene Technologies, Inc.

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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 >RC213934 representing NM_145206

or AA Sequence: Red=Cloning site Green=Tags(s)

MSSDFEGYEQDFAVLTAEITSKIARVPRLPPDEKKQMVANVEKQLEEAKELLEQMDLEVREIPPQSRGMY SNRMRSYKQEMGKLETDFKRSRIAYSDEVRNELLGDDGNSSENQRAHLLDNTERLERSSRRLEAGYQIAV

 ${\tt ETEQIGQEMLENLSHDREKIQRARERLRETDANLGKSSRILTGMLRRIIQNRILLVILGIIVVITILMAI}$

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>NP 660207</u>

Locus ID: 143187



 UniProt ID:
 Q96A|9

 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-

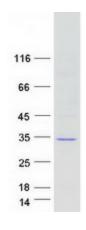
sensitive fusion protein-attachment protein receptors (SNAREs) that function in intracellular trafficking. This family member is involved in vesicular transport between endosomes and the trans-Golgi network. It is a vesicle-associated SNARE (v-SNARE) that interacts with target membrane SNAREs (t-SNAREs). 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]).