

Product Information

MemDX™ Membrane Protein Human VT1A (Vesicle transport through interaction with t-SNAREs 1A) Full Length

Cat. No.: **MPC4527K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human VT1A membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

VT1A

Protein Length

Full length

Protein Class

Transporter

TMD

1

Sequence

MSSDFEGYEQDFAVLTAETSKIARVPRLPPDEKKQMVANVEKQLEEAKE
LLEQMDLEVREIPPQSRGMYSNRMRSYKQEMGKLETDFKRSRIAYSDEV
NELLGDDGNSSSENQRAHLLDNTERLERSRRLEAGYQIAVETEIQGQEM
ENLSHDREKIQRARERLRETDANLGKSSRILTGMLRRIQNRILLVILGI
IVVITILMAITFSVRRH

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

VTI1A

Full Name

Vesicle transport through interaction with t-SNAREs 1A

Introduction

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.

Alternative Names

VTI1A; MMDS3; MVti1; VTI1RP2; Vti1-rp2; vesicle transport through interaction with t-SNAREs homolog 1A; SNARE Vti1a-beta protein; vesicle transport v-SNARE protein Vti1-like 2; Vesicle transport through interaction with t-SNAREs 1A

Gene ID

[143187](#)

UniProt ID

[Q96AJ9](#)