

Product Information

MemDX™ Membrane Protein Human VTCN1 (V-set domain containing T cell activation inhibitor 1) Expressed in HEK293 for Antibody Discovery, Partial (29-258aa)

Cat. No.: **MPX0644K**

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

This product is a 54 kDa Human VTCN1 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

VTCN1

Protein Length

Partial (29-258aa)

Protein Class

Immunity

Molecular Weight

54 kDa

TMD

1

Sequence

FGISGRHSITVTTVASAGNIGE
DGILSCTFEPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGR
TAVFADQVIVGNASRLKLVQLTDAGTYKCYIITSKGKGNANLEYKTGAF
SMPEVNVVDYNASSETLRCEAPRWFPQPTVWVASQVDQGANFSEVSNTSFE
LNSENVTKMVSVLYNVTINNTYSCMIENDIAKATGDIKVTESEIKRRSH
LQLLNSKA

Product Description

Activity

Yes

Expression Systems

HEK293

Tag

hIgG1 Fc and Avi tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 µg/mL in PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

VTCN1

Full Name

V-set domain containing T cell activation inhibitor 1

Introduction

This gene encodes a protein belonging to the B7 costimulatory protein family. Proteins in this family are present on the surface of antigen-presenting cells and interact with ligand bound to receptors on the surface of T cells. Studies have shown that high levels of the encoded protein has been correlated with tumor progression. A pseudogene of this gene is located on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

VTCN1; B7X; B7H4; B7S1; B7-H4; B7h.5; VCTN1; PRO1291; V-set domain-containing T-cell activation inhibitor 1; B7 family member, H4; B7 homolog 4; B7 superfamily member 1; T cell costimulatory molecule B7x; immune costimulatory protein B7-H4; V-set domain containing T cell activation inhibitor 1

Gene ID

[79679](#)

UniProt ID

[Q7Z7D3](#)