

## Product Information

### **MemDX™ Membrane Protein Human VTCN1 (V-set domain containing T cell activation inhibitor 1) Expressed in NS0 for Antibody Discovery, Partial (29-258aa)**

Cat. No.: **MPX0643K**

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

This product is a 26.7 kDa Human VTCN1 membrane protein expressed in NS0. 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

26.7 kDa

##### TMD

1

##### Sequence

FGISGRHSITVTTVASAGNIGE  
DGILSCTFEPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGR  
TAVFADQVIVGNASRLKLVQLTDAGTYKCYIITSKGKGNANLEYKTGAF  
SMPEVNVDYNASSETLRCEAPRWFPQPTVWWASQVDQGANFSEVSNTSFE  
LNSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKVTESEIKRRSH  
LQLLSKA

#### Product Description

##### Activity

Yes

##### Expression Systems

NS0

**Tag**

10xHis tag at the C-terminus

**Protein Format**

Soluble

**Form**

LYOPH

**Reconstitution**

Reconstitute at 100 µg/mL in PBS.

**Endotoxin**

<1.0 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.

**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](#)