

Datasheet for ABIN7194001 **VTCN1 Protein (His tag)**

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Overview

Quantity:	100 µg
Target:	VTCN1
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VTCN1 protein is labelled with His tag.

Product Details

Purpose:	Canine B7-H4 Protein, His Tag (MALS verified)
Sequence:	Phe 29 - Ala 258
Characteristics:	Canine B7-H4, His Tag is expressed from human 293 cells (HEK293). It contains AA Phe 29 - Ala 258 (Accession # XP_038547815.1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	VTCN1
Alternative Name:	B7-H4 (VTCN1 Products)
Background:	Synonyms: B7-H4,VTCN1,B7S1,B7h.5,

Target Details

Description: V-set domain-containing T-cell activation inhibitor 1 (VTCN1) is also known as Immune costimulatory protein B7-H4, Protein B7S1, T-cell costimulatory molecule B7x, B7H4, which belongs to the immunoglobulin superfamily and BTN/MOG family. VTCN1 contains two Ig-like V-type (immunoglobulin-like) domains. The expression of VTCN1 is up-regulated by IL6 and IL10 and is inhibited by GM-CSF and IL4 on antigen-presenting cells (APCs). VTCN1 / B7-H4 negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. VTCN1 involved in promoting epithelial cell transformation.

Molecular Weight:	27.2 kDa
NCBI Accession:	XP_038547815

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 27.2 kDa. The protein migrates as 44-55 kDa under reducing (R) condition due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	For long term storage, the product should be stored at lyophilized state at -20°C or lower.