

Datasheet for ABIN7125968 **VTCN1 Protein (His tag)**



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Overview

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

Product Details

Purpose:	Rat B7-H4 Protein, His Tag
Sequence:	Phe 29 - Gly 257
Characteristics:	Rat B7-H4, His Tag is expressed from human 293 cells (HEK293). It contains AA Phe 29 - Gly 257 (Accession # Q501W4-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

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

Target Details

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: 27.1 kDa

NCBI Accession: [NM_001024244](#)

Application Details

Application Notes: This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 27.1 kDa. The protein migrates as 45-60 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: -20°C