Datasheet for ABIN7319689

VTCN1 Protein (mFc Tag)

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Overview

Quantity:	50 µg
Target:	VTCN1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VTCN1 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Human B7-H4/VTCN1 Protein (mFc Tag)
Sequence:	Phe29-Ala258
Characteristics:	Recombinant Human B7-H4 is produced by our Mammalian expression system and the target gene encoding Phe29-Ala258 is expressed with a mFc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	VTCN1
Alternative Name:	B7-H4/VTCN1 (VTCN1 Products)
Background:	Background: B7 Homolog 4 (B7-H4) is glycosylated member of the B7 family of immune costimulatory proteins. Mature human B7-H4 consists of a 235 amino acid (aa) extracellular domain (ECD) with two Ig-like V-type domains, a 21 aa transmembrane segment, and a 2 aa

Target Details

	cytoplasmic tail. It is widely expressed, including in kidney, liver, lung, pancreas, placenta, prostate, spleen, testis and thymus. B7-H4 negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. When expressed on the cell surface of tumor macrophages, plays an important role, together with regulatory T-cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. It also involved in promoting epithelial cell transformation. Synonym: B7S1, B7x, Vtcn1, B7h.5, B7-H4, B7H4T-cell costimulatory molecule B7x, B7S1VCTN1, B7XPRO1291, FLJ22418, Immune costimulatory protein B7-H4, Protein B7S1, T cell costimulatory molecule B7x, V-set domain containing T cell activation inhibitor 1, V-set domain-containing T-cell activation inhibitor 1
Molecular Weight:	51.9 kDa
UniProt:	Q7Z7D3

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.