

Datasheet for ABIN7597249

VTCN1 Protein (AA 147-259) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	VTCN1
Protein Characteristics:	AA 147-259
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VTCN1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human B7-H4(147-259) Protein with C-terminal human Fc tag
Sequence:	B7-H4(Thr147-Ser259) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	VTCN1
Alternative Name:	B7-H4 (VTCN1 Products)
Background:	B7X, B7H4, B7S1, VTCN1, B7h.5, VCTN1, PR01291 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

Target Details

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. [provided by RefSeq, Dec 2011]

Molecular Weight: predicted molecular mass of 38.7 kDa after removal of the signal peptide. The apparent molecular mass of B7-H4(147-259)-hFc is 35-70 kDa due to glycosylation.

UniProt: [Q7Z7D3](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months