

Datasheet for ABIN7273961

VTCN1 Protein (AA 29-258) (Fc Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	VTCN1
Protein Characteristics:	AA 29-258
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VTCN1 protein is labelled with Fc Tag.

Product Details

Purpose:	Human B7-H4 Protein
Sequence:	Phe29-Ala258
Characteristics:	Recombinant Human B7-H4 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Phe29-Ala258.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human B7-H4, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-B7-H4 Antibody, hFc Tag with the EC50 of 7ng/ml determined by ELISA. See testing image for detail.

Target Details

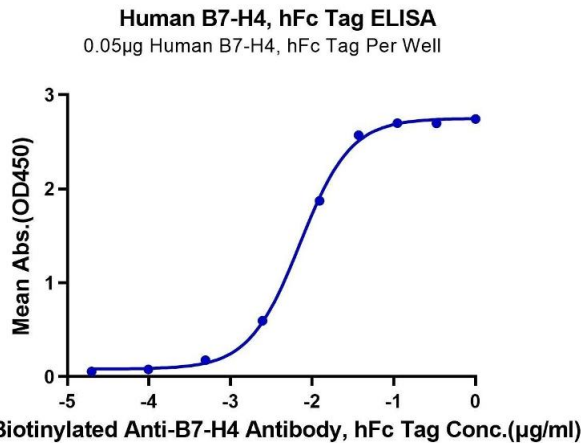
Target:	VTCN1
Alternative Name:	B7-H4 (VTCN1 Products)
Background:	B7-H4, also known as B7x and B7S1, is a 50-80 kDa glycosylated member of the B7 family of immunomodulatory proteins. B7-H4 is up-regulated in several carcinomas in correlation with tumor progression and metastasis. A soluble form of B7-H4 is elevated in the serum of ovarian cancer, renal cell carcinoma, and rheumatoid arthritis patients, also in correlation with advanced disease status .
Molecular Weight:	52.1 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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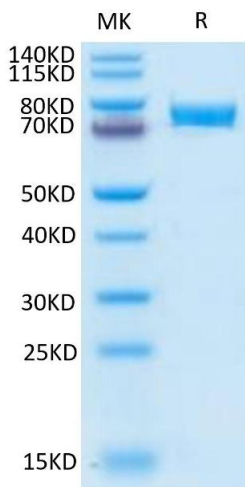
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



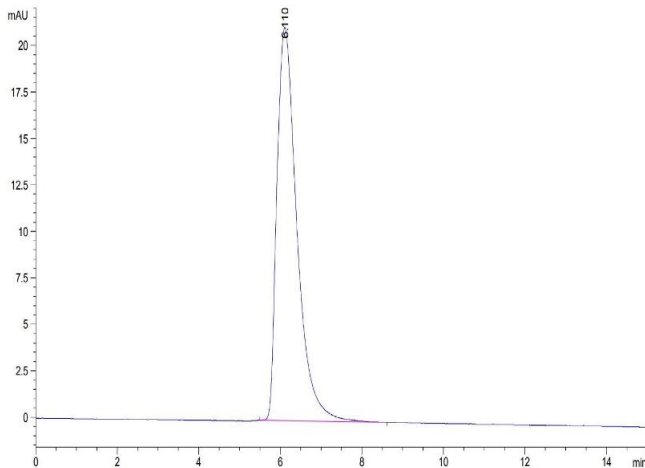
ELISA

Image 1. Immobilized Human B7-H4, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-B7-H4 Antibody, hFc Tag with the EC50 of 7 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human B7-H4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human B7-H4 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7273961.