



[Go to Product page](#)

Datasheet for ABIN7273954

VTCN1 Protein (AA 33-194) (His tag)

3 Images

Overview

Quantity:	100 µg
Target:	VTCN1
Protein Characteristics:	AA 33-194
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VTCN1 protein is labelled with His tag.

Product Details

Purpose:	Human B7-H5/Gi24/VISTA Protein
Sequence:	Phe33-Ala194
Characteristics:	Recombinant Human B7-H5/Gi24/VISTA Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Phe33-Ala194.
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-H5, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-B7-H5 Antibody, hFc Tag with the EC50 of 16.6ng/ml determined by ELISA. See testing image for detail.

Target Details

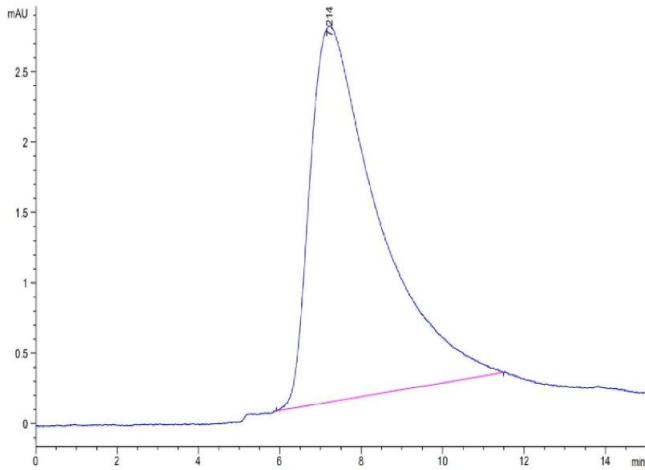
Target:	VTCN1
Alternative Name:	B7-H5 (VTCN1 Products)
Background:	B7-H5, also known as VISTA , B7H5, Dies1, SISP1 and C10orf54, is a 55-65 kDa member of the Ig superfamily. It is a transmembrane molecule expressed in bone, on embryonic stem cells (ESCs), and on tumor cell surfaces.
Molecular Weight:	19 kDa. Due to glycosylation, the protein migrates to 32-70 kDa based on Tris-Bis PAGE result.
UniProt:	Q9H7M9

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

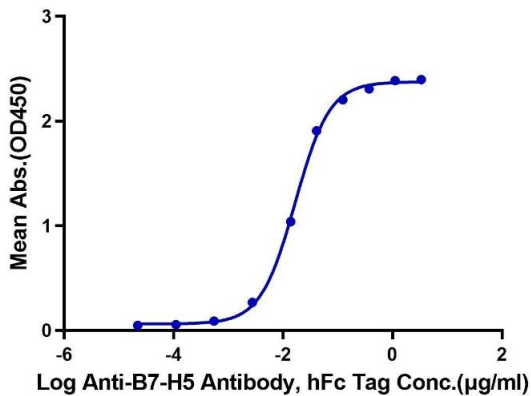
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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



Size-exclusion chromatography-High Pressure Liquid Chromatography

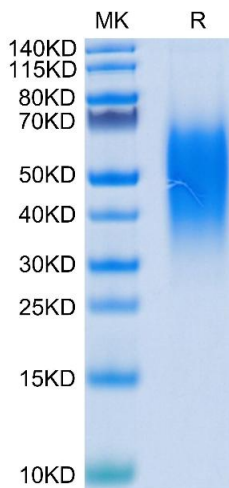
Image 1. The purity of Human B7-H5 is greater than 95 % as determined by SEC-HPLC.

Human B7-H5, His Tag ELISA
0.05µg Human B7-H5, His Tag Per Well



ELISA

Image 2. Immobilized Human B7-H5, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-B7-H5 Antibody, hFc Tag with the EC50 of 16.6 ng/mL determined by ELISA.



SDS-PAGE

Image 3. Human B7-H5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .