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VTCN1 Protein (AA 33-194) (Fc Tag)





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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 Fc 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 hFc 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, hFc Tag at $0.5\mu g/ml$ ($100\mu l/well$) on the plate. Dose response curve for Biotinylated Anti-B7-H5 Antibody, hFc Tag with the EC50 of $8.0 ng/ml$ determined by ELISA. The affinity constant of $14.44 \mu M$ as determined in SPR assay (Biacore T200). See testing image for detail.

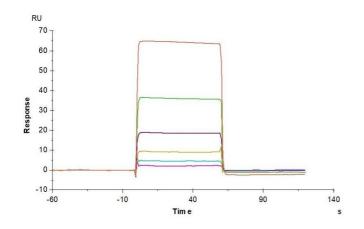
Target Details

rarget 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:	44.9 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
UniProt:	Q9H7M9
Application Details	
Restrictions:	For Research Use only

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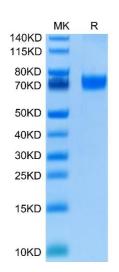
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from $0.22\mu m$ 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



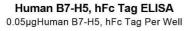
Surface Plasmon Resonance

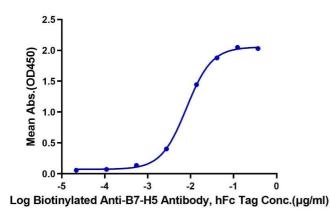
Image 1. Human B7-H5, hFc Tag captured on CM5 Chip via Protein A can bind Human IGSF11, His Tag with an affinity constant of 14.44 μ M as determined in SPR assay (Biacore T200).



SDS-PAGE

Image 2. Human B7-H5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.





ELISA

Image 3. Immobilized Human B7-H5, hFc Tag at $0.5 \,\mu g/mL$ (100 $\,\mu L/well$) on the plate. Dose response curve for Biotinylated Anti-B7-H5 Antibody, hFc Tag with the EC50 of 8.0 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7273962.