

Datasheet for ABIN7273950

B7-H6 Protein (AA 25-259) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	B7-H6 (NCR3LG1)
Protein Characteristics:	AA 25-259
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B7-H6 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus B7-H6/NCR3LG1 Protein
Sequence:	Asp25-Asp259
Characteristics:	Recombinant Cynomolgus B7-H6/NCR3LG1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp25-Asp259.
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:	The affinity constant of 0.662 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

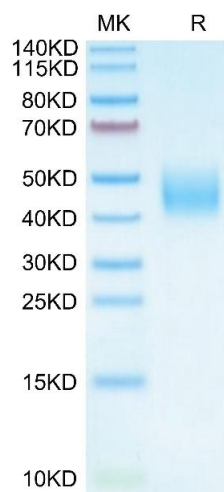
Target:	B7-H6 (NCR3LG1)
Alternative Name:	B7-H6 (NCR3LG1 Products)
Background:	B7-H6 is a glycosylated member of the B7 family of immune co-stimulatory proteins. which is a ligand for the NK cell activating receptor NKp30, was targeted to create a CAR that targets multiple tumor types. B7H6 is expressed on various primary human tumors, including leukemia, lymphoma and gastrointestinal stromal tumors, but it is not constitutively expressed on normal tissues.
Molecular Weight:	27.6 kDa. Due to glycosylation, the protein migrates to 40-52 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005578557

Application Details

Restrictions:	For Research Use only
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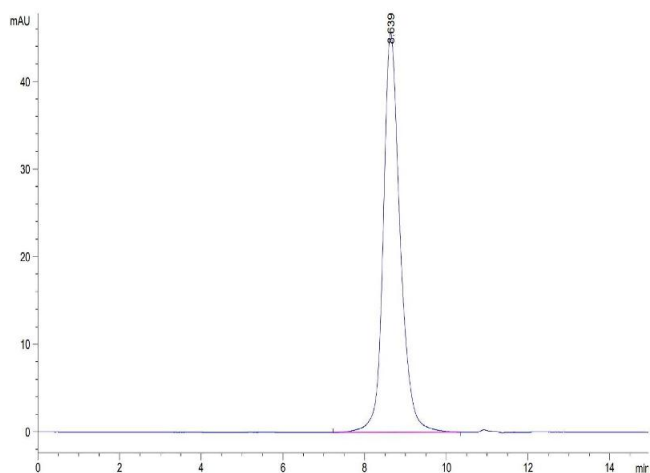
Handling

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



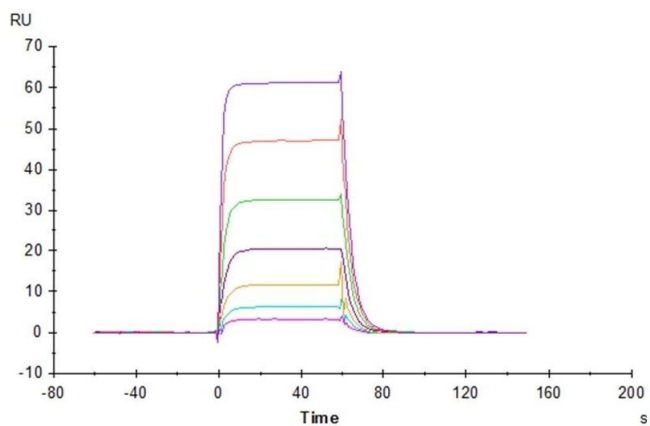
SDS-PAGE

Image 1. Cynomolgus B7-H6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus B7-H6 is greater than 95 % as determined by SEC-HPLC.



Surface Plasmon Resonance

Image 3. Human NKp30, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus B7-H6, His Tag with an affinity constant of 0.662 μ M as determined in SPR assay (Biacore T200).