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## Datasheet for ABIN7275353 NCR3 Protein (His-Avi Tag)

4 Images



#### Overview

Quantity:	100 µg
Target:	NCR3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCR3 protein is labelled with His-Avi Tag.

### Product Details

Sequence:	Leu19-Thr138
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 NKp30, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-NKp30 Antibody, hFc Tag with the EC50 of 7.8ng/ml determined by ELISA. The affinity constant of 0.292 µM as determined in SPR assay (Biacore T200). See testing image for detail.

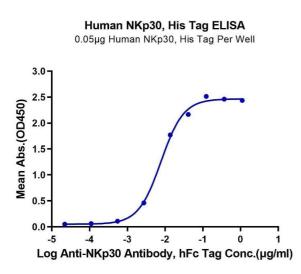
## Target Details

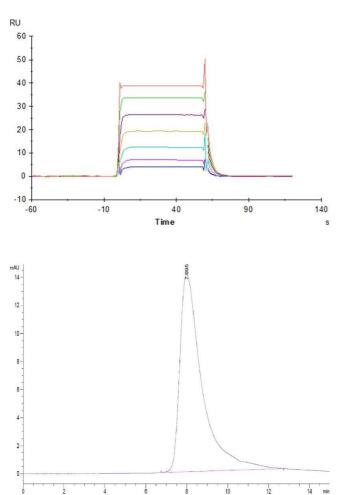
Target:	NCR3
Alternative Name:	NKp30 (NCR3 Products)
Background:	CD337, LY117, NCR3, NKp30, 1C7, MALS,NKp30, along with NKp44 and NKp46, constitute a

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## Target Details

	group of receptors termed "Natural Cytotoxicity Receptors". These receptors play a major role in triggering NK-mediated killing of most tumor cells lines.NKp30 stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells. Engagement of NCR3 by BAG6 also promotes myeloid dendritic cells (DC) maturation, both through killing DCs that did not acquire a mature phenotype, and inducing the release by NK cells of TNFA and IFNG which promote DC maturation.
Molecular Weight:	20 kDa. Due to glycosylation, the protein migrates to 26-40 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months





#### ELISA

**Image 1.** Immobilized Human NKp30, His Tag at  $0.5 \mu$ g/mL (100  $\mu$ L/well) on the plate. Dose response curve for Anti-NKp30 Antibody, hFc Tag with the EC50 of 7.8 ng/mL determined by ELISA.

#### **Surface Plasmon Resonance**

**Image 2.** Human B7-H6, hFc Tag captured on CM5 Chip via Protein A can bind Human NKp30, His Tag with an affinity constant of 0.292  $\mu$ M as determined in SPR assay (Biacore T200).

## Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human NKp30 is greater than 95% as determined by SEC-HPLC.

Please check the product details page for more images. Overall 4 images are available for ABIN7275353.

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