

Datasheet for ABIN7275337

**KLRK1 Protein (AA 78-216) (Fc-DYKDDDDK Tag)**

## 6 Images

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## Overview

Quantity:	100 µg
Target:	KLRK1
Protein Characteristics:	AA 78-216
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRK1 protein is labelled with Fc-DYKDDDDK Tag.

## Product Details

Purpose:	Human NKG2D/CD314 Protein
Sequence:	Phe78-Val216
Characteristics:	Recombinant Human NKG2D/CD314 Protein is expressed from HEK293 with hFc tag and Flag tag at the N-Terminus. It contains Phe78-Val216.
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 MICA, His Tag at 1 µg/ml (100 µl/Well) on the plate. Dose response curve for Human NKG2D, hFc Tag with the EC50 of 0.28 µg/ml determined by ELISA. See testing image for detail.

## Target Details

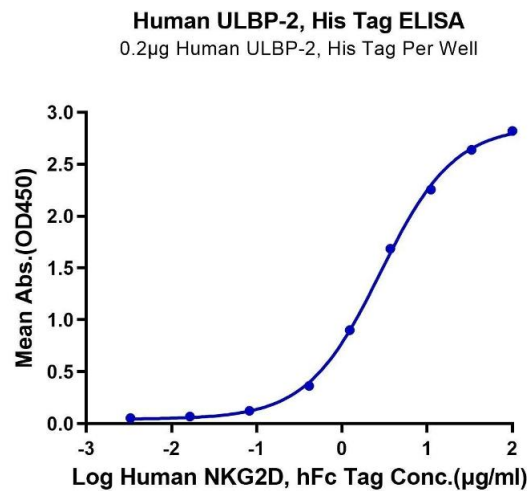
Target:	KLRK1
Alternative Name:	NKG2D ( <a href="#">KLRK1 Products</a> )
Background:	NKG2D is a type II transmembrane glycoprotein having an extracellular lectin-like domain. This domain lacks the recognizable calcium-binding sites found in true C-type lectins and binds protein rather than carbohydrate ligands. Human NKG2D is expressed on CD8 alpha beta T cells, gamma delta T cells, NK cells and NKT cells.
Molecular Weight:	43.4 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P26718</a>
Pathways:	<a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

Restrictions:	For Research Use only
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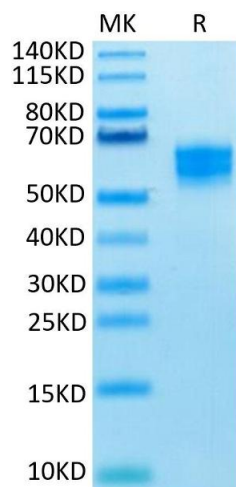
## Handling

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



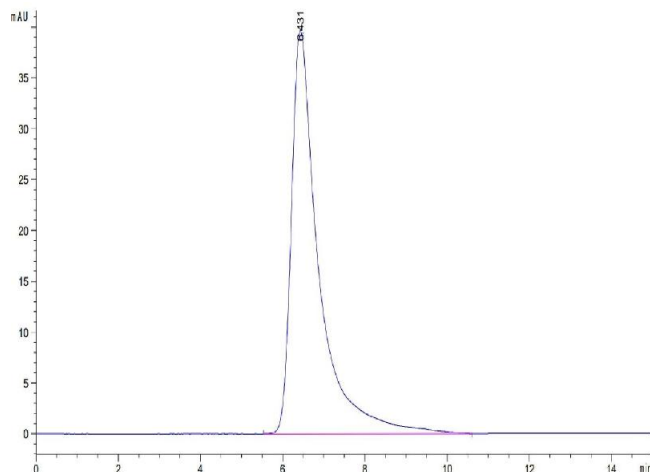
**ELISA**

**Image 1.** Immobilized Human ULBP-2, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Human NKG2D, hFc Tag with the EC50 of 2.8 µg/mL determined by ELISA.



**SDS-PAGE**

**Image 2.** Human NKG2D 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 NKG2D is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7275337.