



Datasheet for ABIN7275344

## KLRK1 Protein (AA 90-232) (His tag)



[Go to Product page](#)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	KLRK1
Protein Characteristics:	AA 90-232
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRK1 protein is labelled with His tag.

#### Product Details

Purpose:	Mouse NKG2D/CD314 Protein
Sequence:	Phe90-Val232
Characteristics:	Recombinant Mouse NKG2D/CD314 Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Phe90-Val232.
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.

#### Target Details

Target:	KLRK1
Alternative Name:	NKG2D ( <a href="#">KLRK1 Products</a> )

## Target Details

---

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:	17.5 kDa. Due to glycosylation, the protein migrates to 24-35kDa based on Tris-Bis PAGE result.
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
---------------	-----------------------

## Handling

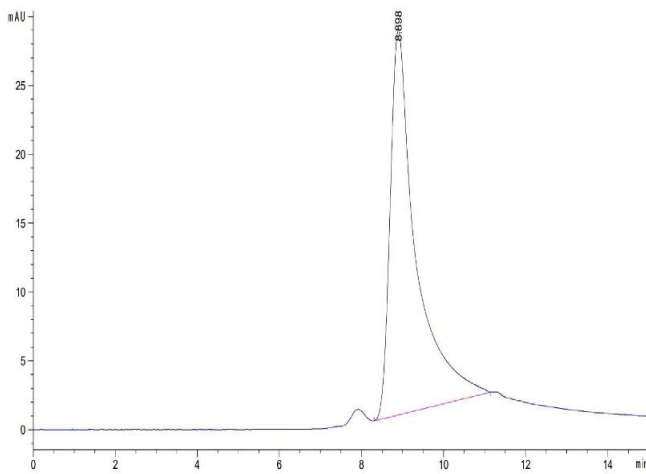
---

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 20 mM Tris, 250 mM NaCl ( pH 8.0). 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.** Mouse NKG2D/CD314 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 Mouse NKG2D/CD314 is greater than 95 % as determined by SEC-HPLC.