

Datasheet for ABIN7275346

KLRK1 Protein (AA 90-232) (Fc Tag)**2** Images[Go to Product page](#)

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 Fc Tag.

Product Details

Purpose:	Mouse NKG2D/CD314 Protein
Sequence:	Phe90-Val232
Characteristics:	Recombinant Mouse NKG2D/CD314 Protein is expressed from HEK293 with hFc 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 (KLRK1 Products)

Target Details

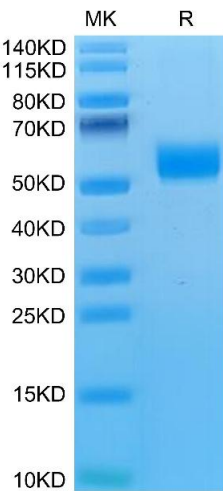
Background:	NKG2D is a type II transmembrane glycoprotein having an extracellular lectin-like domain. This domain lacks the recognizable calcium-binding sites found in true C-type lectins and binds protein rather than carbohydrate ligands. Human NKG2D is expressed on CD8 alpha beta T cells, gamma δ T cells, NK cells and NKT cells.
Molecular Weight:	43.7 kDa. Due to glycosylation, the protein migrates to 50-68 kDa based on Tris-Bis PAGE result.
Pathways:	Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only
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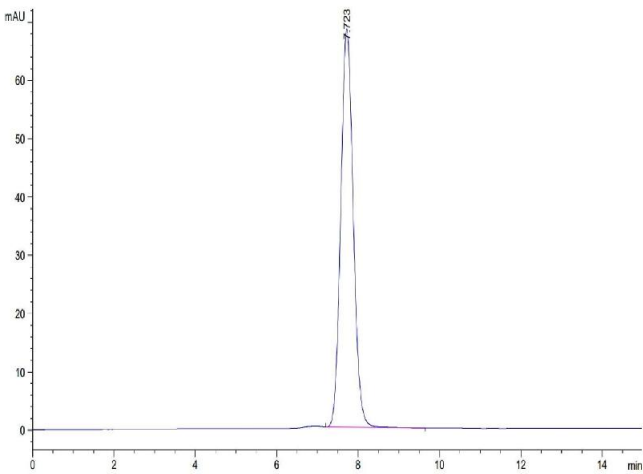
Handling

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 μ m 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 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 is greater than 95 % as determined by SEC-HPLC.