

Datasheet for ABIN7275084
KIR2DL1 Protein (His-Avi Tag)



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2 Images

Overview

Quantity:	100 µg
Target:	KIR2DL1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIR2DL1 protein is labelled with His-Avi Tag.

Product Details

Sequence:	His22-Arg242
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:	KIR2DL1
Alternative Name:	KIR2DL1 (KIR2DL1 Products)
Background:	CD158Ankat1, CD158A, cl-42, KIR2DL1, NKAT, NKAT-1, p58.1, KIR-K64, KIR221, KIR2DL1/KIR2DS5,KIR2DL1 (2DL1, formerly NKAT1, designated CD158a) is a 348 amino acid (aa) type I transmembrane glycoprotein that belongs to the human killer cell Ig-like receptor (KIR) family.KIR2DL1 is a receptor on natural killer (NK) cells for some HLA-C alleles such as w4 and w6. Inhibits the activity of NK cells thus preventing cell lysis.

Target Details

Molecular Weight: 27.1 kDa. Due to glycosylation, the protein migrates to 40-52 kDa based on Tris-Bis PAGE result.

UniProt: [P43626](#)

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.

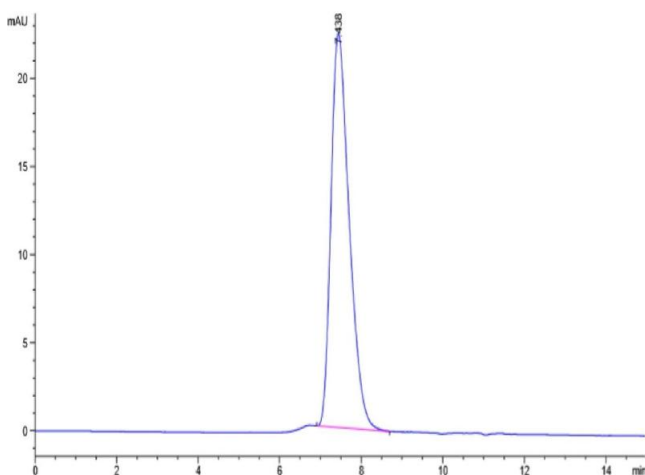
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

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.

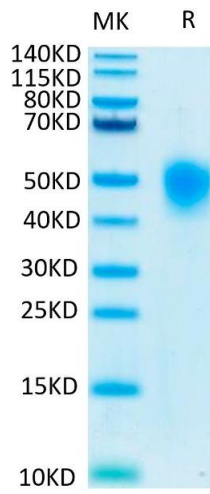
Expiry Date: 12 months

Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human KIR2DL1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human KIR2DL1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .