

Datasheet for ABIN7275103
KIR3DL3 Protein (His-Avi Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	KIR3DL3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIR3DL3 protein is labelled with His-Avi Tag.

Product Details

Sequence:	Glu26-Leu322
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:	The affinity constant of 334 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	KIR3DL3
Alternative Name:	KIR3DL3 (KIR3DL3 Products)
Background:	CD158Z, KIR2DS2, KIR3DL7, KIR44, KIRC1, KIR3DL3, Killer-cell immunoglobulin-like receptor (KIR) 3DL3 is a framework gene present in all human KIR haplotypes. KIR3DL3 has been shown to be constitutively expressed at a low RNA level in peripheral blood mononuclear cell (PBMC)

Target Details

	and decidual natural kill (NK) cells.
Molecular Weight:	35.3 kDa. Due to glycosylation, the protein migrates to 48-52 kDa based on Tris-Bis PAGE result.
UniProt:	Q8N743

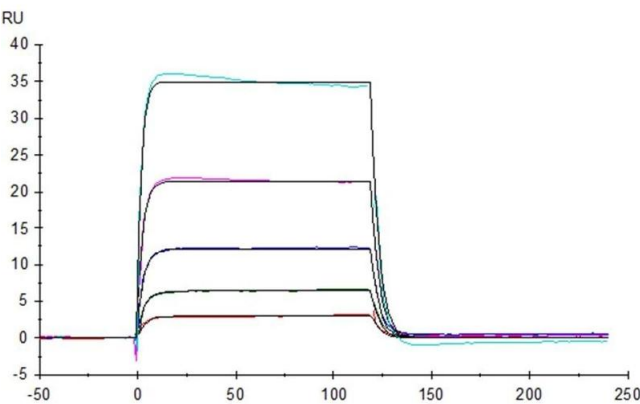
Application Details

Restrictions:	For Research Use only
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Handling

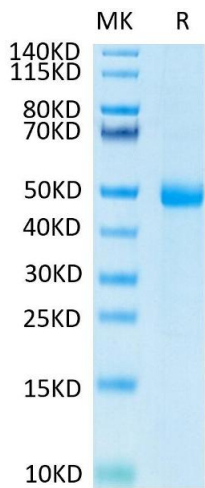
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris, 150 mM NaCl, 0.2M L-Arginine (pH 8.2). 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



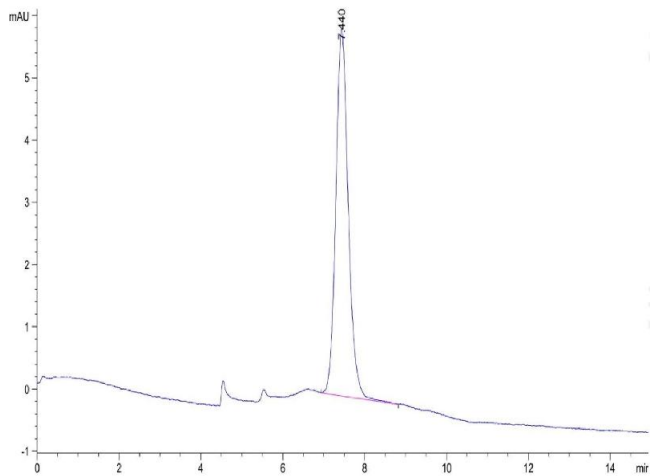
Surface Plasmon Resonance

Image 1. Human B7-H7, hFc Tag captured on CM5 Chip via Protein A can bind Human KIR3DL3, His Tag with an affinity constant of 334 nM as determined in SPR assay (Biacore T200).



SDS-PAGE

Image 2. Human KIR3DL3 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 KIR3DL3 is greater than 95 % as determined by SEC-HPLC.