Human KIR3DL3 Protein

Cat. No. KR3-HM4L3

Description

Source	Recombinant Human KIR3DL3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Glu26-Leu322.
Accession	Q8N743
Molecular Weight	The protein has a predicted MW of 35.3 kDa. Due to glycosylation, the protein migrates to 48-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

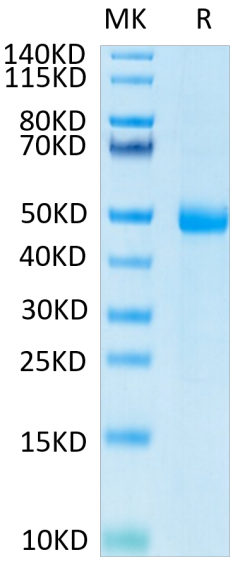
Formulation	Lyophilized from 0.22μm filtered solution in 20mM Tris, 150mM NaCl, 0.2M L-arginine (pH 8.2). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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) and decidual natural kill (NK) cells.

Assay Data

Bis-Tris PAGE



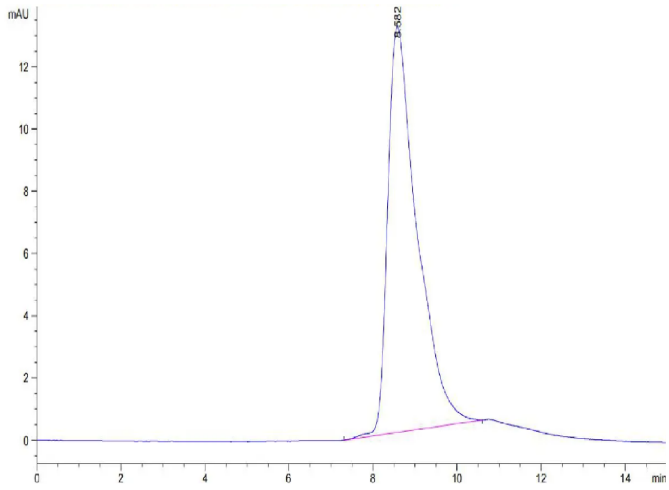
Human KIR3DL3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human KIR3DL3 Protein

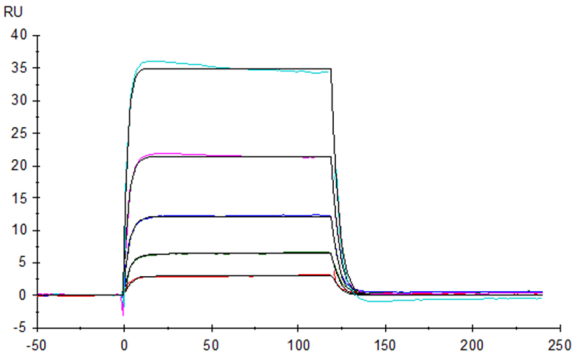
Cat. No. KR3-HM4L3

Assay Data



The purity of Human KIR3DL3 is greater than 95% as determined by SEC-HPLC.

SPR Data



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).