

Datasheet for ABIN7275180

LILRA4 Protein (AA 24-446) (His-Avi Tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	LILRA4
Protein Characteristics:	AA 24-446
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRA4 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human LILRA4/CD85g Protein
Sequence:	Glu24-Asn446
Characteristics:	Recombinant Biotinylated Human LILRA4/CD85g Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Glu24-Asn446.
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:	LILRA4
Alternative Name:	LILRA4 (LILRA4 Products)

Target Details

Background: LILRA4, also known as ILT7 and CD85g, is an approximately 60-70 kDa variably glycosylated transmembrane protein that regulates immune cell activation. Mature human LILRA4 consists of a 423 amino acid (aa) extracellular domain (ECD) with four immunoglobulin-like domains, a 21 aa transmembrane segment, and a 32 aa cytoplasmic domain. LILRA4 function coreceptor to limit the innate immune responses to viral infections, signaling occurs via FCER1G (PubMed:16735691, PubMed:19564354). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine-phosphate-guanosine (CpG) dinucleotides, indicating it functions as negative regulator of TLR7 and TLR9 signaling cascades.

Molecular Weight: 49.5 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.

UniProt: [P59901](#)

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 PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

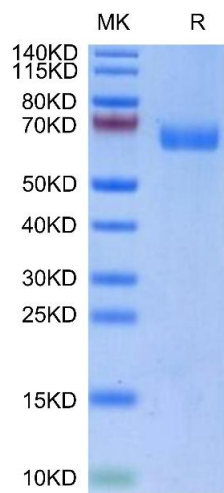
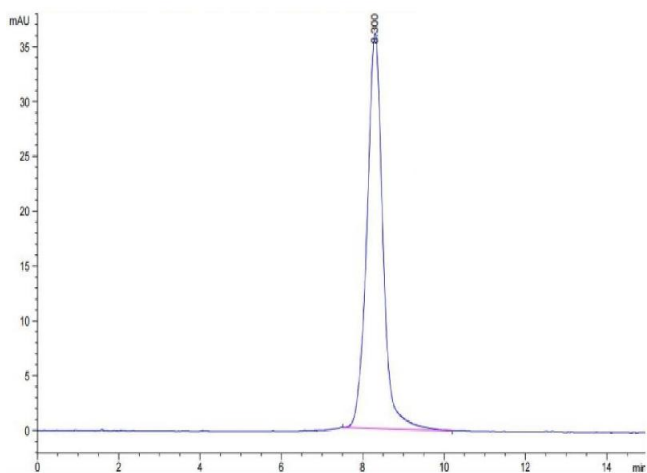
Storage: -20 °C,-80 °C

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

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Biotinylated Human LILRA4 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Biotinylated Human LILRA4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .