

Datasheet for ABIN7275155  
**LILRA4 Protein (His tag)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	LILRA4
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRA4 protein is labelled with His tag.

## Product Details

Sequence:	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 ( <a href="#">LILRA4 Products</a> )
Background:	CD85g, ILT7, ILT-7, ILT7MGC129598, LILRA4, MGC129597, 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

## Target Details

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: 47.7 kDa. Due to glycosylation, the protein migrates to 58-68 kDa based on Tris-Bis PAGE result.

NCBI Accession: [XP\\_005590346](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

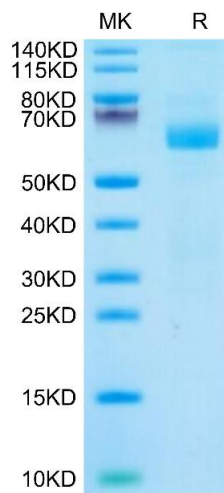
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

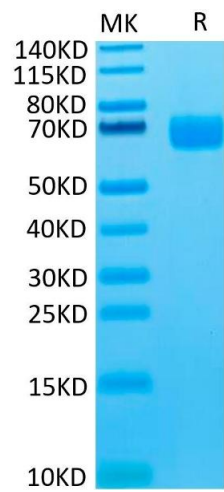
Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



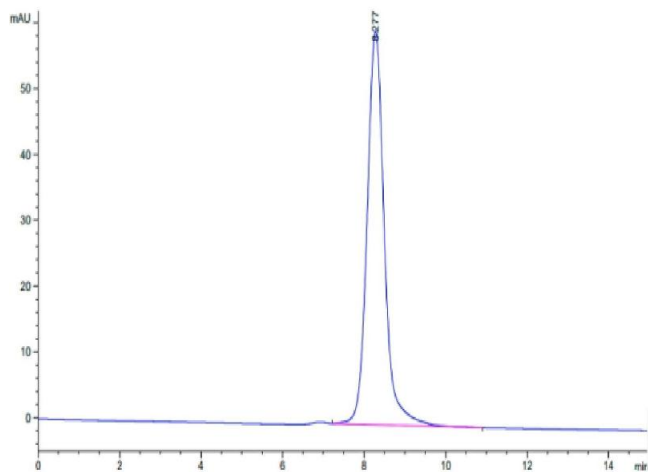
SDS-PAGE

**Image 1.** Cynomolgus LILRA4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



SDS-PAGE

**Image 2.** Cynomolgus LILRA4/CD85g 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 Cynomolgus LILRA4 is greater than 95 % as determined by SEC-HPLC.