

RP02708

Leader in Biomolecular Solutions for Life Science



# Recombinant Human LILRA4/ILT-7/CD85g Protein

Catalog No.: RP02708 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	23547	P59901

### Tags

C-His&Avi

### Synonyms

CD85g; ILT7; ILT-7; ILT7MGC129598;  
LILRA4; MGC129597

## Product Information

### Source

HEK293 cells

### Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## 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.

## Basic Information

### Description

Recombinant Human LILRA4/ILT-7/CD85g Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu24-Asn446) of Human LILRA4/ILT-7/CD85g (Accession #) fused with His tag and Avi tag at the C-terminal.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

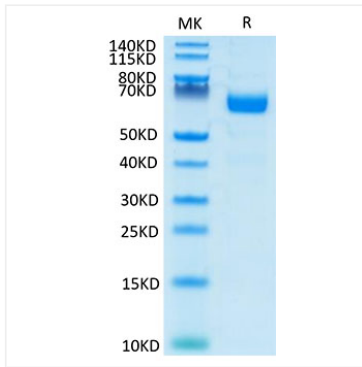
### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

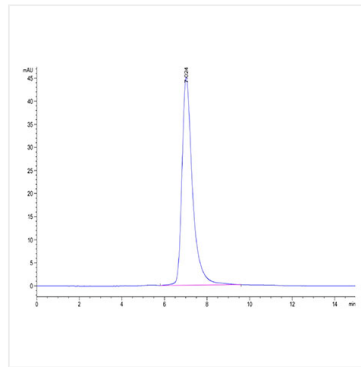
\* For your safety and health, please wear a lab coat and disposable gloves when handling.

## Validation Data

---



Recombinant Human LILRA4/ILT-7/CD85g Protein was determined by Tris-Bis PAGE under reducing conditions.



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