

# Biotinylated Recombinant Human LILRA4/ILT-7 /CD85g Protein

Catalog No.: RP02762B

## Sequence Information

|                   |                |
|-------------------|----------------|
| <b>Species</b>    | <b>Gene ID</b> |
| Human             | 23547          |
| <b>Swiss Prot</b> | <b>Tags</b>    |
| P59901            | C-His&Avi      |

### Synonyms

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

## Product Information

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| <b>Source</b> | <b>Purification</b>                                                  |
| HEK293 cells  | ≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC. |

### Calculated MW Observed MW

49.5 kDa 60-70 kDa

### Endotoxin

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

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or 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

|                                                                                     |  |                                                                          |
|-------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|
|  |  | 400-999-6126                                                             |
|  |  | <a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a> |
|  |  | <a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>             |

## 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

Biotinylated 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.

### Activity

### Shipping

Lyophilized proteins are shipped at ambient temperature.  
Liquid proteins are shipped at frozen temperature with dry ice.  
Upon receipt, store it immediately at the temperature recommended below.

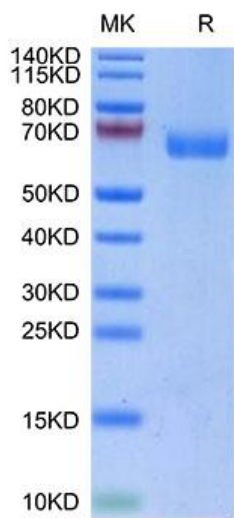
### Storage

Store at -20°C

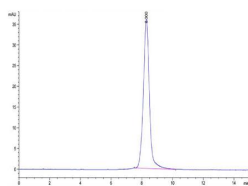
### Operational Notes

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

Validation Data



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



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