

# Recombinant Human LILRA5/ILT-11/CD85f Protein

Catalog No.: RP01318 **Recombinant**

## Sequence Information

**Species** Human    **Gene ID** 353514    **Swiss Prot** A6NI73

### Tags

C-His

### Synonyms

CD85;CD85F;ILT-11;ILT11;LILRB7;LIR-9;LIR-9;LILRA5

## Background

LILRA5 is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LILR are a family of receptors possessing extracellular immunoglobulin domains. They are also known as CD85, ILTs, and can exert immunomodulatory effects on a wide range of immune cells. ILT-11 contains 2 Ig-like C2-type (immunoglobulin-like) domains. It can be detected in tissues of the hematopoietic system, including bone marrow, spleen, lymph node, and peripheral leukocytes. Crosslink of ILT-11 on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses.

## Basic Information

### Description

Recombinant Human LILRA5/ILT-11/CD85f Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly42-Arg268) of Human LILRA5 (Accession #NP\_067073.1) fused with an 6×His tag at the C-terminus.

### Bio-Activity

### Shipping

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

### 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.

### Operational Notes

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

## Product Information

### Source

HEK293 cells

### Purification

≥ 95 % as determined by SDS-PAGE.

### Calculated MW

26.09 kDa

### Observed MW

35-45 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

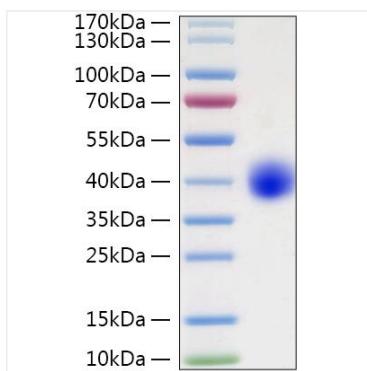
### Reconstitution

Centrifuge the vial 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.

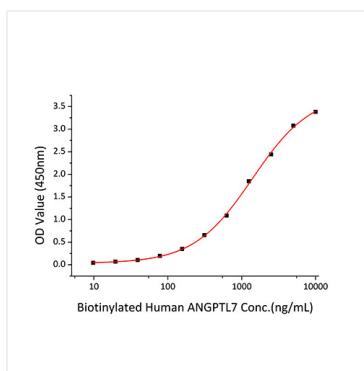
## Contact

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## Validation Data



Recombinant Human LILRA5/ILT-11/CD85f Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human LILRA5/CD85f Protein at 5 µg/mL (100 µL/well) can bind Biotinylated Human ANGPTL7 with a linear range of 0.01-1.4 µg/mL.