

# Recombinant Human LILRA2/ILT-1/CD85h Protein

Catalog No.: RP01332 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	11027	Q8N149

### Tags

C-His

### Synonyms

LILRA2;CD85H;ILT1;LIR-7;LIR7

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
47.77 kDa	65-100 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.

### 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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## Background

LILRA2 (Leukocyte immunoglobulin like receptor A2), also known as CD85H and LIR7 (Leukocyte immunoglobulin-like receptor 7). This encoded protein is an activating receptor that inhibits dendritic cell differentiation and antigen presentation and suppresses the innate immune response. It is an activating receptor highly expressed in inflammatory tissues and is involved in granulocyte and macrophage activation. LILRA2 is primarily expressed on the surface of cells of the innate immunity including monocytes, macrophages, neutrophils, basophils, and eosinophils but not on lymphocytes and NK cells. LILRA2 cross-linking on monocytes induces pro-inflammatory cytokines while inhibiting dendritic cell differentiation and antigen presentation. Diseases associated with LILRA2 include Tuberculoid Leprosy and Leprosy 3.

## Basic Information

### Description

Recombinant Human LILRA2/ILT-1/CD85h Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly24 -Asn449) of Human LILRA2 (Accession #NP\_006857.2) fused with an 6xHis tag at the C-terminus.

### Bio-Activity

### Storage

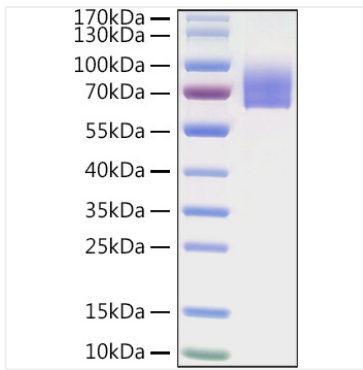
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

## Validation Data

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Recombinant Human LILRA2/CD85h Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-85kDa.