

# Recombinant Human LILRB2/ILT-4/CD85d Protein

Catalog No.: RP00341 **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 10288   | Q8N423-1   |

### Tags

C-His&amp;Avi

### Synonyms

CD85d; ILT4; ILT-4; ILT4CD85d; LILRB2;  
LIR2; MIR10

## Product Information

| Source       | Purification  |
|--------------|---|
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 50.2 kDa      | 70-75 kDa   |

### Endotoxin

&lt; 1 EU/μg of the protein by LAL method.

### Formulation

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

### 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

The immunoglobulin-like transcript (ILT) comprise a family of activating and inhibitory type immunoreceptors whose genes are located in the same locus that encodes killer cell Ig-like receptors (KIR). ILT4, also known as LIR-2 and LILRB2, is a type I transmembrane protein expressed primarily on monocytes and dendritic cells (DC). LILRB2 is a receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles.

## Basic Information

### Description

Recombinant Human LILRB2/ILT-4/CD85d Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln22-His458) of Human LILRB2/CD85d/ILT4 (Accession #Q8N423-1) fused with a C-His&Avi 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.

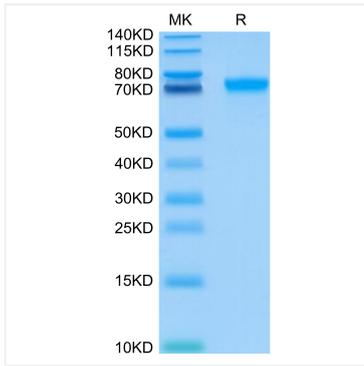
Avoid repeated freeze/thaw cycles.

### Operational Notes

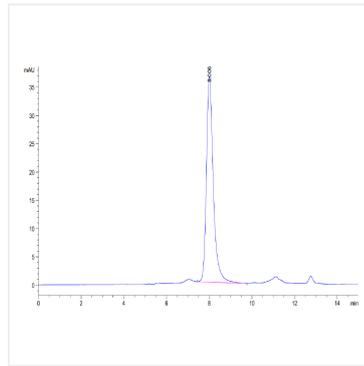
For your safety and health, please wear a lab coat and disposable gloves for handling.



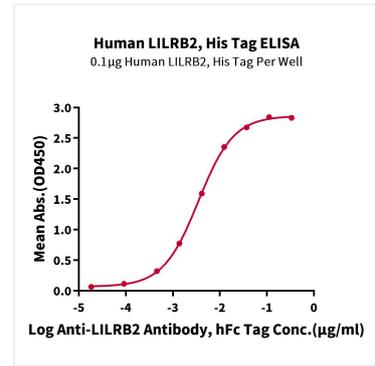
## Validation Data



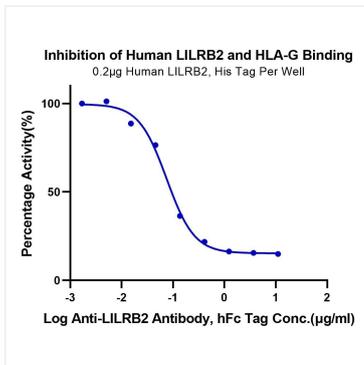
Recombinant Human LILRB2/ILT-4/CD85d Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human LILRB2 is greater than 95% as determined by SEC-HPLC.



Immobilized Human LILRB2, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-LILRB2 Antibody, hFc Tag with the  $EC_{50}$  of 3.5ng/mL determined by ELISA (QC Test).



Serial dilutions of Anti-LILRB2 Antibody were added into Human LILRB2, His Tag : Biotinylated HLA-G Complex Tetramer, His Tag binding reactions. The half maximal inhibitory concentration ( $IC_{50}$ ) is 75.3ng/mL.