

# Recombinant Mouse LILRB4/ILT-3/CD85k Protein

Catalog No.: RP01679 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	14728	Q64281

### Tags

C-6His

### Synonyms

HM18; ILT3; gp49; CD85K; Gp49b; LIR-5; Lilrb4

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
24.87 kDa	35-40 kDa

### Endotoxin

&lt;0.1EU/μg


### 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

LILRB4 (Leukocyte Immunoglobulin Like Receptor B4) is a Protein Coding gene. This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. The receptor can also function in antigen capture and presentation. LILRB4 is believed to down-regulate activation signals mediated by non-receptor tyrosine kinase cascades through the recruitment of SHP-1. LILRB4 is associated with the pathological processes of various inflammatory diseases. The LILRB4 is a central inhibitory receptor in Uterine dendritic cells (uDCs) that plays essential immune-regulatory roles at the maternal-fetal interface.

## Basic Information

### Description

Recombinant Mouse LILRB4/ILT-3/CD85k Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly24-Lys238) of mouse LILRB4 (Accession #NP\_038560.1) fused with and a 6xHis tag at the C-terminus.

### Bio-Activity

### Storage

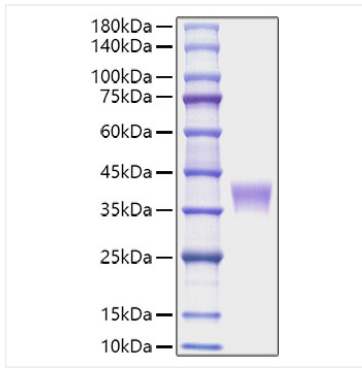
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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 Mouse LILRB4/CD85k/ILT3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 39.8 kDa.