Recombinant Mouse LILRB4/ILT-3/CD85k Protein

Catalog No.: RP01679

Sequence Information

Species
Mouse

Gene ID
14728

Swiss Prot
Q64281

Tags
C-6His

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
24.87 kDa

Observed MW
35-40 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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 6×His tag at the C-terminus.

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℃

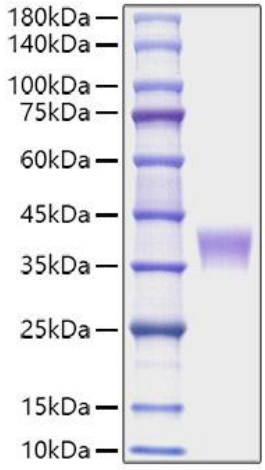
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Mouse LILRB4/ILT-3/CD85k Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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