Recombinant Human LILRA2/ILT-1/CD85h Protein

Catalog No.: RP01332

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Sequence Information

Species
Human

Gene ID
11027

Swiss Prot
Q8N149

Tags
C-His

Synonyms
LILRA2,CD85H,ILT1,LIR-7,LIR7

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
47.77 kDa

Observed MW
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 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

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 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℃

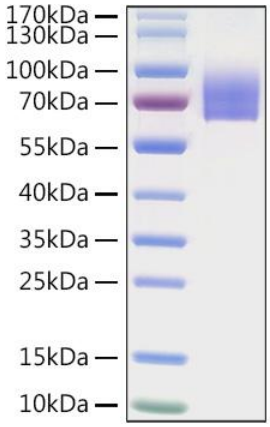
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human LILRA2/ILT-1/CD85h Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.