

Recombinant Human LILRA5/ILT-11/CD85f Protein

Catalog No.: RP01318 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	353514	A6NI73

Tags

C-His

Synonyms

CD85;CD85F;ILT-11;ILT11;LILRB7;LIR-9;LIR9;LILRA5

Product Information

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

Calculated MW	Observed MW
26.09 kDa	35-45 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

LILRA5 is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LILR are a family of receptors possessing extracellular immunoglobulin domains. They are also known as CD85, ILTs, and can exert immunomodulatory effects on a wide range of immune cells. ILT-11 contains 2 Ig-like C2-type (immunoglobulin-like) domains. It can be detected in tissues of the hematopoietic system, including bone marrow, spleen, lymph node, and peripheral leukocytes. Crosslink of ILT-11 on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses.

Basic Information

Description

Recombinant Human LILRA5/ILT-11/CD85f Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly42-Arg268) of Human LILRA5 (Accession #NP_067073.1) fused with an 6xHis tag at the C-terminus.

Bio-Activity

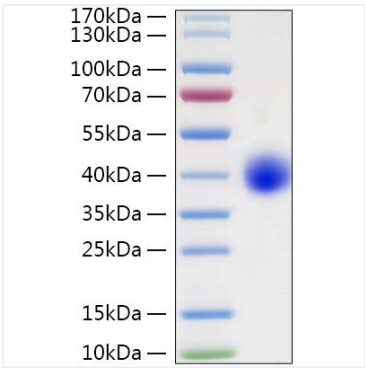
Storage

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

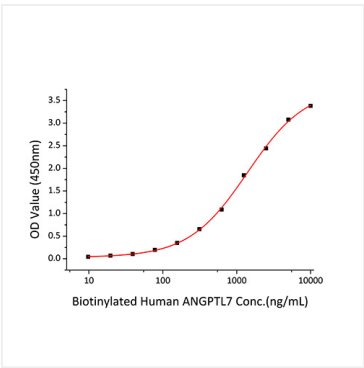
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human LILRA5/ILT-11/CD85f Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human LILRA5/CD85f Protein at 5µg/mL (100 µL/well) can bind Biotinylated Human ANGPTL7 with a linear range of 0.01-1.4 µg/mL.