

Recombinant Cynomolgus LILRA4/ILT-7/CD85g Protein

Catalog No.: RP02681

Sequence Information

Species **Gene ID**
Cynomolgus

Swiss Prot **Tags**
XP_005590346.1 C-His

Synonyms
CD85g; ILT7; ILT-7;
ILT7MGC129598; LILRA4;
MGC129597

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW **Observed MW**
47.7 kDa 58-68 kDa

Endotoxin
< 1 EU/μg of the protein by LAL
method.

Formulation

Reconstitution

Centrifuge the tube 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.

Background

LILRA4, also known as ILT7 and CD85g, is an approximately 60-70 kDa variably glycosylated transmembrane protein that regulates immune cell activation. Mature human LILRA4 consists of a 423 amino acid (aa) extracellular domain (ECD) with four immunoglobulin-like domains, a 21 aa transmembrane segment, and a 32 aa cytoplasmic domain. LILRA4 function coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:16735691, PubMed:19564354). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine-phosphate-guanosine (CpG) dinucleotides, indicating it functions as negative regulator of TLR7 and TLR9 signaling cascades.

Basic Information

Description

Recombinant Cynomolgus LILRA4/ILT-7/CD85g Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu24-Asn446) of Cynomolgus LILRA4/ILT-7/CD85g (Accession #) fused with His tag at the C-terminal.

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°C

Operational Notes

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

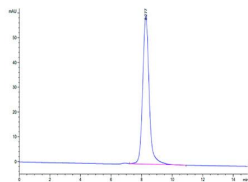
Contact

☎ | 400-999-6126

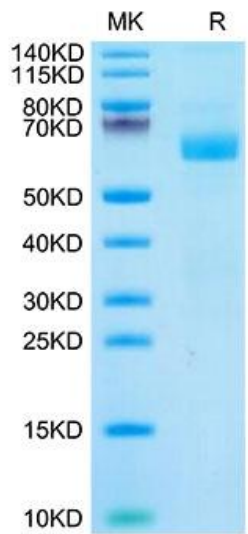
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Validation Data



The purity of Cynomolgus LILRA4 is greater than 95% as determined by SEC-HPLC.



Recombinant Cynomolgus LILRA4/ILT-7/CD85g Protein was determined by Tris-Bis PAGE under reducing conditions.