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Recombinant Human LMIR2/CD300c Protein

Catalog No.: RP00264 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	10871	Q08708

Tags
C-His

Synonyms
CD300C;CLM-6;CMRF-35;CMRF-35A;CMRF35;CMRF35-A1;CMRF35A;CMRF35A1;IGSF16;LIR

Background

The recombinant human CD300C consists of 166 amino acids with a molecular weight of 18.4 kDa. The apparent molecular mass of recombinant human CD300C is about 40-45 kDa in SDS-PAGE under reducing conditions due to glycosylation.The cluster of differentiation (CD) system is commonly used as cell markers in immunophynotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. CD300C is present on the surface of natural killer cells, granulocytes, most myeloid cells, dendritic cells, and a subpopulation of T and B lymphocytes. Mouse CD300C has the characteristics of an activatory molecule capable of inducing cellular activation and effector function in most cells and macrophages. The ligand for CD300C is presently unknown.

Product Information

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

Calculated MW	Observed MW
18.69 kDa	40-55 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.Contact us for customized product form or formulation.

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.

Basic Information

Description
Recombinant Human LMIR2/CD300c Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly 21 - Arg 183) of human CD300C (Accession #NP_006669.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

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

Contact

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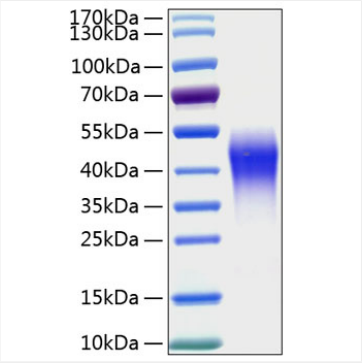
Validation Data



Recombinant Human LMIR2/CD300c Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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