Recombinant Human Siglec-10 Protein

Catalog No.: RP00822

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Sequence Information

Species
Human

Gene ID
89790

Swiss Prot
Q96LC7

Tags
C-mFc

Synonyms
SIGLEC10, SLG2,Sialic acid-binding Ig-like lectin 10, Siglec-10, Siglec-like protein 2

Product Information

Source
HEK293 Cells

Purification
≥95% as determined by SDS-PAGE.

Calculated MW
84.60 kDa

Observed MW
80-120 kDa

Endotoxin
< 1.0 EU per μg protein as determined by the LAL method.

Formulation
Lyophilized from sterile PBS, pH7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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

Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- or alpha-2,6-linked sialic acid.The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, seems to act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Involved in negative regulation of B-cell antigen receptor signaling. The inhibition of B cell activation is dependent on PTPN6/SHP-1.In association with CD24 may be involved in the selective suppression of the immune response to danger-associated molecular patterns (DAMPs) such as HMGB1, HSP70 and HSP90.

Basic Information

Description
Recombinant Human Siglec-10 Protein is produced by HEK293 Cells expression system. The target protein is expressed with sequence (Met17-Thr546) of Human Siglec-10(Accession #NP_149121.2) fused with the Fc region of mouse IgG2a 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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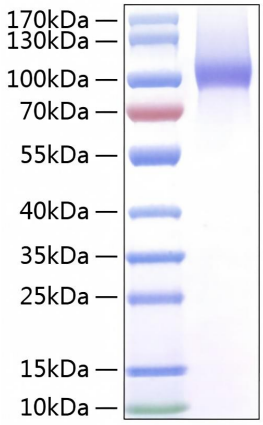
Validation Data



Recombinant Human Siglec-10 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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