Recombinant Human Siglec-7/CD328 Protein

Catalog No.: RP03511

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Sequence Information

Species
Human

Gene ID
27036

Swiss Prot
Q9Y286

Tags
C-His

Synonyms
Sialic acid-binding Ig-like lectin 7, Siglec-7, Adhesion inhibitory receptor molecule 1, AIRM-1, CDw328, D-siglec, QA79 membrane protein, p75, CD328

Product Information

Source
HEK293 cells

Purification
≥ 95% as determined by Bis-Tris PAGE.

Calculated MW
37.8 KDa

Observed MW
50-70 KDa

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

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Reconstitution
Always centrifuge tubes before opening.Do not mix by vortex or pipetting.
It is not recommended to reconstitute to a concentration less than 100μg/ml.
Dissolve the lyophilized protein in distilled water.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- and alpha-2,6-linked sialic acid. Also binds disialogangliosides (disialogalactosyl globoside, disialyl lactotetraosylceramide and disialyl GalNAc lactotetraoslylceramide). The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may 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. Mediates inhibition of natural killer cells cytotoxicity. May play a role in hemopoiesis. Inhibits differentiation of CD34+ cell precursors towards myelomonocytic cell lineage and proliferation of leukemic myeloid cells (in vitro)

Basic Information

Description
Recombinant Human Siglec-7/CD328 Protein is produced by HEK293 Cells expression system. The target protein is expressed with sequence (Gln19-Leu353) of Human Siglec-7/CD328 (Accession #Q9Y286) fused with 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℃

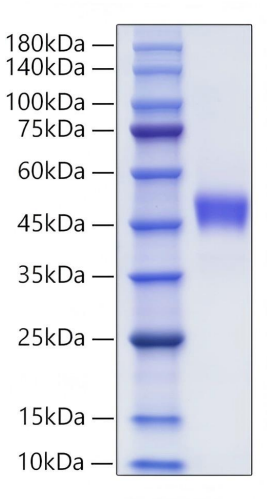
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Siglec-7/CD328 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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