

Catalog No.: RP03511 **Recombinant**

Species	Gene ID	Swiss Prot
Human	27036	O9Y286

C-His

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

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

Calculated MW	Observed MW
37.8 KDa	50-70 KDa

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

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

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

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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 lactotetraosylceramide). 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)

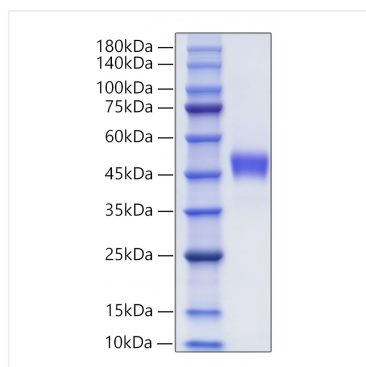
Recombinant Human Siglec-7/CD328 Protein is produced by HEK293 Cells expression system. The target protein is expressed with sequence (Gln19-Leu353) of Human Siglec-7/CD328 (Accession #Q9Y286) fused with His tag at the C-Terminus.

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