

# **Recombinant Human Siglec-7/CD328 Protein**

Catalog No.: RP03511 Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 27036 09Y286

#### **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 Po HEK293 cells ≥

**Purification** 

≥ 95% as determined by Bis-

Tris PAGE.

# Calculated MW Observed MW

37.8 KDa 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.

# Contact

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# **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 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)

## **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.

## **Bio-Activity**

### **Shipping**

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

#### Storage

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  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

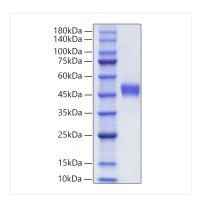
Avoid repeated freeze/thaw cycles.

### **Operational Notes**

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

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# **Validation Data**



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