

Biotinylated Recombinant Human Siglec-5/CD170 Protein

Catalog No.: RP00357B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	8778	O15389

Tags

C-His&Avi

Synonyms

CD170; CD33 antigen-like 2; CD33L2; OBBP2; Siglec5; SIGLEC5; OB-BP2

Product Information

Source

HEK293 cells

Purification

≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW

49.3 kDa

Observed MW

70-80 kDa

Endotoxin

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

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, 350 mM NaCl (pH 7.4). Normally 8% trehalose is added as protectant 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Siglecs (sialic acid binding Ig-like lectins) are I-type (Ig-type) lectins belonging to the Ig superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by varying numbers of Ig-like C2-type domains. Siglec 5 is putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and 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.

Basic Information

Description

Biotinylated Recombinant Human Siglec-5/CD170 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu17-Thr434) of Human Siglec-5/CD170 (Accession #O15389) fused with a C-His&Avi 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.

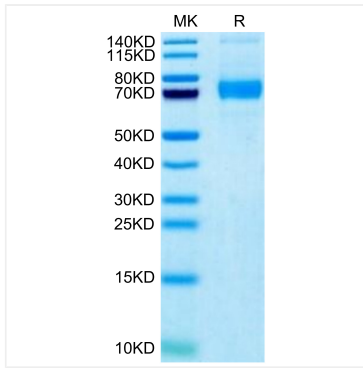
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

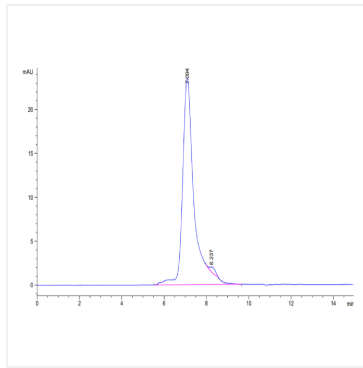
Operational Notes

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

Validation Data



Biotinylated Recombinant Human Siglec-5/CD170 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human Siglec-5 is greater than 95% as determined by SEC-HPLC.