

# Biotinylated Recombinant Human Siglec-3/CD33 Protein

Catalog No.: RP00555BLQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	945	P20138-1

### Tags

C-His&Avi

### Synonyms

CD33 molecule; CD33; FLJ00391; gp67; Siglec3; Siglec-3; p67

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 90% by HPLC

### Endotoxin

< 1 EU/μg of the protein by LAL method

### Formulation

Supplied as 0.22 μm filtered solution in 50 mM MES, 500 mM NaCl, 200 mM L-arginine (pH 7.4).

### Reconstitution

## Background

Sialic-acid-binding immunoglobulin-like lectin (Siglec) that plays a role in mediating cell-cell interactions and in maintaining immune cells in a resting state. They are sialoadhesin/CD169/Siglec-1, CD22/Siglec-2, CD33/Siglec-3, Myelin-Associated Glycoprotein (MAG/Siglec-4a) and Siglecs 5 to 11. To date, no Siglec has been shown to recognize any cell surface ligand other than sialic acids, suggesting that interactions with glycans containing this carbohydrate are important in mediating the biological functions of Siglecs.

## Basic Information

### Description

Biotinylated Recombinant Human Siglec-3/CD33 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp18-His259) of Human Siglec-3/CD33 (Accession #P20138-1) fused with a C-His&Avi tag at the C-terminus.

### Bio-Activity

### Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

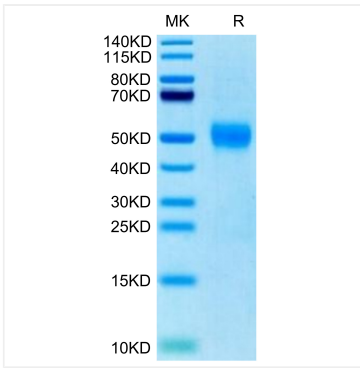
## Contact

☎ | 400-999-6126

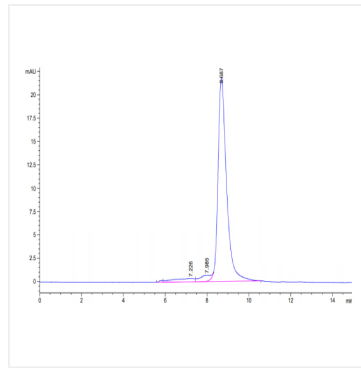
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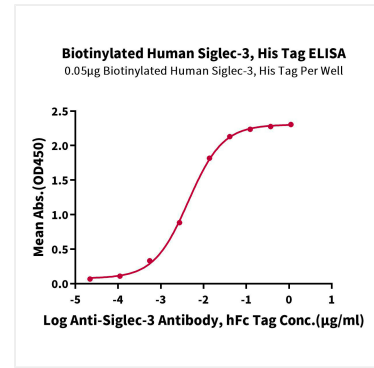
## Validation Data



Biotinylated Human Siglec-3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human Siglec-3 is greater than 90% as determined by SEC-HPLC.



Immobilized Biotinylated Human Siglec-3, His Tag at 0.5 µg/mL (100 µL/Well) on streptavidin (5 µg/mL) precoated plate. Dose response curve for Anti-Siglec-3 Antibody, hFc Tag with the EC<sub>50</sub> of 4.4ng/mL determined by ELISA.