

## Siglec-9 Protein, Human, Recombinant (His & hFc)

### General Information

Synonyms:	FOAP-9;CD329;siglec-9;OBBP-LIKE;CDw329
Protein Construction:	A DNA sequence encoding the Human SIGLEC9 (Q9Y336-1) (Gln18-Gly348) was expressed with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus (Fc-his). Predicted N terminal: Gln 18
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9Y336-1
Molecular Weight:	64.13 kDa (predicted); 97.5 kDa (reducing conditions)

### QC Testing

Biological Activity:	Immobilized Recombinant Human SIGLEC9 Protein (His & Fc Tag)(Cat#TMPY-06966) at 10 µg/mL(100 µL/well) on Protein A precoated (5 µg/mL, 100 µL/well) plate can bind Neu5Ac (α2-6)GalNAc-PAA-biotin, the EC50 is 75-226 ng/mL(QC tested).
Purity:	≥ 90 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, 500 mM NaCl, 0.2% CHAPS, 10% trehalose, 0.1M Arg, pH 7.0. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

**Reconstitution:**  
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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