

For Research Use Only

# Recombinant Human SIGLEC14 protein (rFc Tag)



Catalog Number: Eg4178

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/μg protein, LAL method

**Source:**

HEK293-derived Human SIGLEC14 protein Glu17-Leu358 (Accession# Q08ET2) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

100049587

**Accession:**

Q08ET2

**Predicted Molecular Mass:**

64.3 kDa

**SDS-PAGE:**

68-75 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

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

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

SIGLEC14, also known as sialic acid-binding immunoglobulin-like lectin 14, is a member of the Siglec family, which is expressed on myeloid cells and plays a role in recognizing bacterial pathogens, eliciting pro-inflammatory responses. SIGLEC14 is primarily a transmembrane protein found on the surface of myeloid cells. A soluble form of SIGLEC14 is also present in human blood, which is derived from an alternatively spliced mRNA that retains intron 5, preventing the translation of the transmembrane domain. It has been implicated in various diseases, particularly in the context of immune responses and inflammation.

## References

1. Huang PJ. et al. (2018). J Biol Chem. 293(51):19645-19658.
2. Angata T. (2014). Glycobiology. 24(9):785-793.
3. Tsai CM. et al. (2020). J Innate Immun. 12(4):333-343.

## Synonyms

Siglec-14, Siglec 14

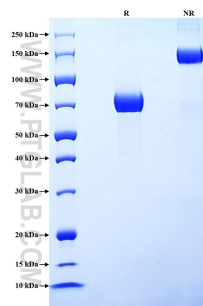
For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Purity of Recombinant Human SIGLEC14 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.