

For Research Use Only

# Recombinant Human Siglec-5/CD170 protein (rFc Tag)



Catalog Number: Eg1673

## 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 Siglec-5 protein Glu17-Thr434 (Accession# O15389) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

8778

**Accession:**

O15389

**Predicted Molecular Mass:**

72.6 kDa

**SDS-PAGE:**

85-110 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

SIGLEC5, also known as sialic acid-binding immunoglobulin-like lectin 5, is a member of the Siglec family, which are a group of immunoglobulin-type lectins that mediate protein-carbohydrate interactions via sialic acids attached to glycoproteins or glycolipids. SIGLEC5 is part of the CD33-related subset of Siglecs (CD33rSiglecs) and inhibits the activation of several cell types, including monocytes, macrophages, and neutrophils. In addition, SIGLEC5 mediates sialic acid-dependent binding to human erythrocytes and soluble glycoconjugates, indicating its potential involvement in cell-cell interactions.

## References

1. Vuchkovska A. et al. (2022). *Immunology*. 166(2):238-248.
2. Cornish AL. et al. (1998). *Blood*. 1998;92(6):2123-2132.

## Synonyms

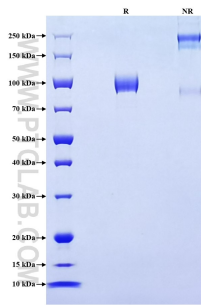
SIGLEC5, CD170, CD33 antigen like 2, CD33 antigen-like 2, CD33L2

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

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## Selected Validation Data



Purity of Recombinant Human Siglec-5 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.