



## Synonym

SIGLEC5,OB-BP2,CD170,CD33L2

## Source

Human Siglec-5, Fc Tag(SI5-H5250) is expressed from human 293 cells (HEK293). It contains AA Glu 17 - Thr 434 (Accession # [AAH29896](#)). Predicted N-terminus: Glu 17

## Molecular Characterization

Siglec-5(Glu 17 - Thr 434)	Fc(Pro 100 - Lys 330)
AAH29896	P01857

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 73.0 kDa. The protein migrates as 90-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22  $\mu$ m filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

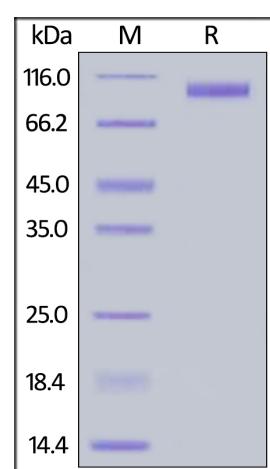
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Human Siglec-5, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Background

Sialic acid-binding Ig-like lectin 5 (SIGLEC5) is also known as CD33 antigen-like 2 (CD33L2), Obesity-binding protein 2 (OB-BP2), CD antigen CD170, which belongs to the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family. SIGLEC5 / CD170 is expressed by monocytic / myeloid lineage cells. SIGLEC-5 / CD33-L2 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.

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Human Siglec-5 / CD170 Protein, Fc Tag

Catalog # SI5-H5250



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