

# Recombinant Human SIGLEC15 Protein, C-Fc-Avi tagged, Biotinylated

**Cat. No.** SIGLEC15-13H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Biotinylated Recombinant Human Sialic Acid-binding Ig-like Lectin 15 is produced by our Mammalian expression system and the target gene encoding Phe20-Thr263 is expressed with a Fc, Avi tag at the C-terminus.

### Species

Human

### Source

Human Cells

### ProteinLength

Phe20-Thr263

### Description

Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH<sub>3</sub><sup>+</sup>-terminus is in the extracellular space and the COO<sup>-</sup>-terminus is cytosolic. Each Siglec contains an N-terminal V-type immunoglobulin domain (Ig domain) which acts as the binding receptor for sialic acid. These lectins are placed into the group of I-type lectins because the lectin domain is an immunoglobulin fold. All Siglecs are extended from the cell surface by C2-type Ig domains which have no binding activity. Siglecs differ in the number of these C2-type domains. Human Siglec-15 consists of a 244 amino acid (aa) extracellular domain (ECD) with two Ig-like domains, a 21 aa transmembrane segment, and a 44 aa cytoplasmic domain. Siglec-15 function is important for osteoclast formation and TRANCE/RANK Ligand signaling in osteoclasts.

### Endotoxin

Less than 0.1 ng/μg (1 EU/μg)

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<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, 150mM NaCl, 0.3% Chaps, 5% Trehalose, pH 7.4.
<b>Shipping</b>	Ambient
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SIGLEC15 sialic acid binding Ig like lectin 15 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SIGLEC15
<b>Synonyms</b>	Sialic acid-binding Ig-like lectin 15; Siglec-15; CD33 antigen-like 3; CD33L3
<b>Gene ID</b>	284266
<b>mRNA Refseq</b>	NM_213602
<b>Protein Refseq</b>	NP_998767
<b>MIM</b>	618105
<b>UniProt ID</b>	Q6ZMC9

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