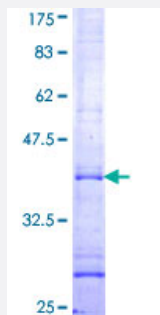


# SIGLEC5 (Human) Recombinant Protein (Q01)

Catalog # H00008778-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human SIGLEC5 partial ORF ( NP_003821, 465 a.a. - 549 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	RRKQAAGRPEKMDDDPIMGTITSGSRKKPWPDSPGDQASPPGDAPPLEEQKELHYASLSFSE MKSREPKDQEAPSTTEYSEIKT
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	35.09
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — SIGLEC5

Entrez GeneID [8778](#)

GeneBank Accession# [NM\\_003830](#)

Protein Accession# [NP\\_003821](#)

Gene Name SIGLEC5

Gene Alias CD170, CD33L2, OB-BP2, OBBP2, SIGLEC-5

Gene Description sialic acid binding Ig-like lectin 5

Omim ID [604200](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The sialic acid-binding immunoglobulin-like lectins (SIGLECs), such as SIGLEC5, are a subgroup of the immunoglobulin (Ig) superfamily that mediate protein-carbohydrate interactions. They specifically interact with sialic acids in glycoproteins and glycolipids, with each SIGLEC having a particular preference for both the nature of the sialic acid and its glycosidic linkage to adjacent sugars. SIGLECs have similar structures, including extracellular Ig-like domains composed of an N-terminal V-set domain followed by varying numbers of C2-set domains. It appears that all SIGLECs have an unusual arrangement of conserved cysteine residues in the V-set and adjacent C2-set domains. Most SIGLECs are expressed uniquely within the hematopoietic system (Cornish et al., 1998 [PubMed 9731071]).[supplied by OMIM]

**Other Designations** CD33 antigen-like 2|OB binding protein-2|sialic acid-binding immunoglobulin-like lectin 5