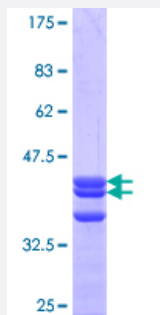


# SIGLEC12 (Human) Recombinant Protein (Q02)

Catalog # H00089858-Q02

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human SIGLEC12 partial ORF ( NP_443729.1, 503 a.a. - 595 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	RSCRKKSARPAVGVGDTGMEDANAVRGSSASQGPIESPADDSPPHHAPPALATPSPEEGEIQY ASLSFHKARPQYPQEQAIGYEYSEINIPK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	35.97
<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 — SIGLEC12

**Entrez GeneID** [89858](#)

**GeneBank Accession#** [NM\\_053003](#)

**Protein Accession#** [NP\\_443729.1](#)

**Gene Name** SIGLEC12

**Gene Alias** FLJ38600, S2V, SIGLECL1, SLG, Siglec-12, Siglec-L1, Siglec-XII

**Gene Description** sialic acid binding Ig-like lectin 12

**Omim ID** [606094](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** Sialic acid-binding immunoglobulin-like lectins (SIGLECs) are a family of cell surface proteins belonging to the immunoglobulin superfamily. They mediate protein-carbohydrate interactions by selectively binding to different sialic acid moieties present on glycolipids and glycoproteins. This gene encodes a member of the SIGLEC3-like subfamily of SIGLECs. Members of this subfamily are characterized by an extracellular V-set immunoglobulin-like domain followed by two C2-set immunoglobulin-like domains, and the cytoplasmic tyrosine-based motifs ITIM and SLAM-like. The encoded protein, upon tyrosine phosphorylation, has been shown to recruit the Src homology 2 domain-containing protein-tyrosine phosphatases SHP1 and SHP2. It has been suggested that the protein is involved in the negative regulation of macrophage signaling by functioning as an inhibitory receptor. This gene is located in a cluster with other SIGLEC3-like genes on 19q13.4. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq]

**Other Designations** SIGLEC-like 1[sialic acid binding immunoglobulin-like lectin-like protein 1

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)