



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### SIGLEC12 (Human) Recombinant Protein (P01)

**Catalog Number:** H00089858-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human SIGLEC12 full-length ORF ( NP\_443729.1, 1 a.a. - 595 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLLLLLLLPPLLCGRVGAKEQKDYLLTMQKSVTVQEGL  
CVSVLCSFSYPQNGWTASDPVHGYWFRAGDHVSRNI  
PVATNNPARAVQEETDRFHLGDPQNKDCTLSIRD  
RESDAGTYVFCVERGNMKWNYKYDQLSVNVTASQDL  
LSRYRLEVPESVTVQEGLCVSVPCSVLYPHYNWTASS  
PVYGSWFKEGADIPWDIPVATNTPSGKVQEDTHGRFL  
LLGDPQTNNCSLSIRDARKGDSGKYFQVERGSRKW  
NYIYDKLSVHVTALHMPFISIPGTLESQHPRNLTCV  
PWACEQGTPTITWMGASVSSLDPTITRSSMLSLIPQP  
QDHGTSLTQCQVTLPGAGVTMTRAVRLNISYPPQNLTM  
TVFQGDGTASTTLRNGSALSLEGGQSLHLVCAVDSNP  
PARLSWTWGSLLTSPSQSSNLGVLELPRVHVKDEGEF  
TCRAQNPLGSQHISLSLSLQNEYTGKMRPISGVTLGAF  
GGAGATALVFLYFCIIFVVVRSRKKKSARPAVGVGDTG  
MEDANAVRGSASQGPLIESPADDSPPHHAPPALATPS  
PEEGEIQYASLSFHKARPQYPQEQAIGYEYSEINIPK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 91.4

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 89858

**Gene Symbol:** SIGLEC12

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

**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]