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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

SIGLEC12 (Human) Recombinant Protein (Q02)

Catalog Number: H00089858-Q02

Regulation Status: For research use only (RUO)

Product Description: Human SIGLEC12 partial ORF (NP_443729.1, 503 a.a. - 595 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

RSCRKKSARPAVGVGDTGMEDANAVRGSASQGPLIE
SPADDSPPHHAPPALATPSPEEGEIQYASLSFHKARP
QYPQEQAIGYEYSEINIPK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 35.97

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]