

## Product Information

### MemDX™ Membrane Protein Human SIGLEC12 (Sialic acid binding Ig like lectin 12) Full

#### Length

Cat. No.: **MPC3618K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human SIGLEC12 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

SIGLEC12

##### Protein Length

Full length

##### Protein Class

Cell adhesion

##### TMD

1

##### Sequence

MLLLLLLLPPLLCGRVGAKQKDYLLTMQKSVTVQEGLCVSVLCFSYPQ  
NGWTASDPVHGYWFRAGDHVSRNIPVATNNPARAVQEETRDRFHLLGDPQ  
NKDCTLIRDTRSDAGTYVFCVERGNMKWNYKYDQLSVNVTASQDLLSR  
YRLEVPESTVQEGLCVSVPCSVLYPHYNWTASSPVYGSWFKEGADIPWD  
IPVATNTPSGKVQEDTHGRFLLLGDPQTNNCSLSIRDARKGDSGKYFQV  
ERGSRKWNYIDKLSVHVTALHMPFTFSIPGTLESQHPRNLTCVSWACE  
QGTPPTITWMGASVSSLDPTITRSSMLSLIPQPQDHGTSLTQVTLPGAG  
VTMTRAVRLNISYPQNLTMTVFQGDGTASTTLRNGSALSVLEGQSLHLV  
CAVDSNPPARLSWTWGSLLSPSQSSNLGVLELPRVHVKDEGEFTCRAQN  
PLGSQHISLSLSLQNEYTGKMRPISGVTLGAFGGAGATALVFLYFCIIFV  
VVRSCRKKSARPAVGVDGTGMEDANAVRGSASQGPLIESPADDSPPHAP  
PALATPSPEEGEIQYASLSFHKARPQYPQEQAIGYEYSEINIPK

#### Product Description

##### Expression Systems

HEK293

##### Tag

Based on specific requirements

### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

### Form

Liquid

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

SIGLEC12

### Full Name

Sialic acid binding Ig like lectin 12

### Introduction

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. Alternative splicing results in multiple transcript variants.

### Alternative Names

SIGLEC12; S2V; SLG; SIGLECL1; Siglec-XII; sialic acid-binding Ig-like lectin 12; SIGLEC-like 1; sialic acid-binding Ig-like lectin-like 1; Sialic acid binding Ig like lectin 12

### Gene ID

[89858](#)

### UniProt ID

[Q96PQ1](#)