

Recombinant Full Length Human SIGLEC1 Protein, C-Flag-tagged

Cat. No. SIGLEC1-1578HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SIGLEC1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a lectin-like adhesion molecule that binds glycoconjugate ligands on cell surfaces in a sialic acid-dependent manner. It is a type I transmembrane protein expressed only by a subpopulation of macrophages and is involved in mediating cell-cell interactions. The protein plays an important role in multiple human diseases and bacterial and viral infections has been shown to enhance SARS-CoV-2 infection.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	180.6 kDa
AA Sequence	MGFLPKLLLLASFFPAGQASWGVSSPQDVQGVKGSCLLIPCIFSFPADVEVPDGITAI WYYDYSQGRQV VSHSADPKLVEARFRGRTEFMGNPEHRVCNLLKDLQPEDSGS YNFRFEISEVNRWSDVKGTLVTVTEE PRVPTIASPVELLEGTEVDFNCSTPYVCLQE QVRLQWQGQDPARSVTFNSQKFEPTGVGHLETLMAMS WQDHGRILRCQLSMAN HRAQSEIHLQVKYAPRGVKILLSPSGRNILPGELVTLTCQVNSSYPVAVSSIKW LKDG VRLQTKTGVLHLPQAAWSDAGVYTCQAENGVSLSVSPPISLHIFMAEVQVSPAGPIL

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ENQTVTLV CNTPNEAPSDLRYSWYKNHVLLLEDAHSHTLRLHLATRADTGFYFCEVQ
 NVHGSERSGPVSVVNHPLT PVLTAFLLETQAGLVGILHCSVVSEPLATLVLSHGGH
 ILASTSGDSDHSPRFSGTSGPNSLRLEIRDL EE TDSGEYKCSATNSLGNATSTLDFH
 ANAARLLISPAAEVVEGQAVTLSCRSGLSPTPDARFSWYLN GALL HEGPGSSLLLPA
 ASSTDAGSYHCRARDGHSASGPSSPAVLTVLYPPRQPTFTTRLDLDAAGAGAGRR
 GL LLCRVDS DPPARLQLLHKDRVVATSLPSGGGCSTCGGCSPRMKVTKAPNLLRV
 EIHNP LLEEEGLYLCE ASNALGNASTSATFNGQATVLAIPSHTLQEGTEANLTCNV
 SREAAGSPANFSWFRNGVLWAQGPLETV TLLPVARTDAALYACRILTEAGAQLSTP
 VLLSVLYPPDRPKLSALLDMGQGHMALFICTVDSRPLALLA LFHGEHLLATSLGPQV
 PSHGRFQAKAEANSLKLEVRELGLGDSGSYRCEATNVLGSSNTSLFFQVRGAW VQ
 VSPSPELQEGQAVVLSCQVPTGVPEGTSYRWYRDGQPLQESTSATLRF AAITLTQA
 GAYHCQAQAPG SATTSLAVPISLHVSYAPRHVTLTTLMDTGPGRLGLLLCRVSDSP
 PAQLRLLHGDRLVASTLQGVGGPE GSSPRLHVAVAPNTRLREIHGAMLEDEGVYIC
 EASNTLGQASASADFDAQAVNVQVWPGATVREGQLVN LTCLVWTHHPAQLTYTW
 YQDGQQRLDAHSIPLPNVTVRDATSYRCGVGPPGRAPRLSRPITLDVLYAPR NLRL
 TYLLESHGGQLALVLCTVDSRPPAQLALSHAGRLLASSTAASVPNTRLRELRGPQPR
 DEGFYSCS ARSPLGQANTSLELRLEGVRVILAPEAAVPEGAPITVTCADPAAHAPTL
 YTWYHNGRWLQEGPAASLSF LVATRAHAGAYSCQAQDAQGTRSSRPAALQVLYA
 PQDAVLSSFRDSRARSMAVIQCTVDSEPPAELALS HDGKVLATSSGVHSLASGTGH
 VQVARNALRLQVQDVPAGDDTYVCTAQNLLGSISTIGRLQVEGARVVA EPGLDVPE
 GAALNLSCRLLGGPGPVGNSTFAWFWNDRRLHAEPVPTLAFTHVARAQAGMYHCL
 AELPTG AAASAPVMLRVLYPPKTPTMMVFVEPEGGLRGILDCRVDSEPLASLTLHL
 GSRLVASSQPQGAPAEPI HVLASPNALRVDIEALRPSDQGEYICSASNVLGSASTS
 TYFGVRALHRLHQFQQLLWVLGLLVGLLLLL
 LGLGACYTWRRRRVCKQSMGENSVEMAFQKETTQLIDPDAATCETSTCAPPLGLE
 QKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Cell adhesion molecules (CAMs)
Full Length	Full L.

GENE INFORMATION

Gene Name	SIGLEC1 sialic acid binding Ig like lectin 1 [Homo sapiens (human)]
Official Symbol	SIGLEC1
Synonyms	SN; CD169; SIGLEC-1
Gene ID	6614
mRNA Refseq	NM_023068.4
Protein Refseq	NP_075556.1
MIM	600751

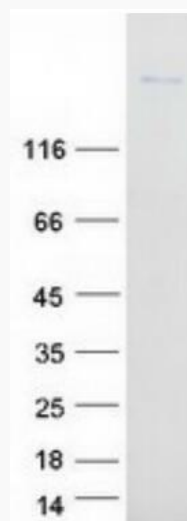
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UniProt ID

Q9BZZ2



Coomassie blue staining of purified SIGLEC1 protein.

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