

Product datasheet for **TP324969**

Sialoadhesin (SIGLEC1) (NM_023068) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human sialic acid binding Ig-like lectin 1, sialoadhesin (SIGLEC1), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |



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Expression cDNA Clone or AA Sequence: >Peptide sequence encoded by RC224969
 Blue=ORF Red=Cloning site Green=Tag(s)

MGFLPKLLLLASFFPAGQASWGVSSPQDVQGVKGSCLLIPCIFSPADVEVPDGITAIWYYDYSGQRQV
 VSHSADPKLVEARFRGRTEFMGNPEHRVCNLLKDLQPEDSGSYNFRFEISEVNRWSDVKGLTVTTEE
 PRVPTIASPVELLEGTEVDFNCSTPYVCLQEQVRLQWQGDPARSVTFNSQKFEPTGVGHLETLHMAMS
 WQDHGRILRCQLSMANHRAQSEIHLQVKYAPRGVKILLSPSGRNILPGLVTLTCQVNSSYPVAVSSIKW
 LKDGVRLQTKTGVHLHPQAAWSDAGVYTCQAENGVGSLVSPPISLHIFMAEVQVSPAGPILENQTVTLV
 CNTPNEAPSDLRYSWYKNHVLEDAHSHTLRLHLATRADTGFYFCEVQNVHGSERSGPPVSWVNHPPPLT
 PVLTAFLAQAGLVGILHCSVSEPLATLVLSHGHHILASTSGSDHSPRFSGTSGPNSLRLEIRDLEE
 TDSGEYKCSATNSLGNATSTLDFHANAARLLISPAEVEGQAVTLSCRSGLSPTPDARFSWYLNALL
 HEGPGSSLLLPAASSTDAGSYHCRARDGHSASGPSSPAVLTLYPPRQPTFTTRLDLDAAGAGARRGL
 LLCRVDSPPARLQLLHKDRVATSLPSGGGCSTCGGCSPRMKVTKAPNLLRVEIHNPLEEGLYLCE
 ASNALGNASTSATFNGQATVLAIPSHLQEGTEANLTCNVSREAAGSPANFSWFRNGVLWAQGPLETY
 TLLPVARTDAALYACRILTEAGQLSTPVLLSVLYPPDRPKLSALLDMGQGHMALFICTVDSRPLALLA
 LFHGEHLLATSLGPQVPSHGRFQAKAEANSLKLEVRELGLGDSGSYRCEATNVLGSSNTSLFFQVRGAW
 VQVSPPELQEGQAVLSCQVPTGVPEGTSYRWYRDGQPLQESTSATLRFAAITLTQAGAYHCQAQAPG
 SATTSLAVPISLHVSYPRHVTLTTLMDTGPGRLGLLLCRVSDPPAQLRLLHGDRVASTLQGVGGPE
 GSSPRLHVAVAPNTRLEIHGAMLEDEGVYICEASNTLGQASASADFDAQAVNVQVWPVATVREGQLVN
 LTCLVWTHPAQLTYTWYQDGGQRLDAHSIPLPNVTVRDATSYRCGVGPPGRAPRLSRPITLDVLYAPR
 NLRITYLLESHGGQLALVLCVDSRPPAQLALSHAGRLLASSTAASVPNTRLELRGPQPRDEGFYSCS
 ARSPLGQANTSLELRLEGVRVILAPEAAVPEGAPITVCADPAAHAPTLYTWYHNGRWLQEGPAASLSF
 LVATRAHAGAYSCQAQDAQGTRSSRPAALQVLYAPQDAVLSFRDSRARSMAVIQCTVDEPPAELALS
 HDGKVLATSSGVHSLASGTGHVQVARNALRLQVQDVPAGDDTYVCTAQNLLGSISTIGRLQVEGARVA
 EPGLDVPEGAALNLSCRLGPGPVGNSTFAFWNDRRRLHAEPVPTLAFTHVARAQAGMYHCLAELPTG
 AAASAPVMLRVLYPPKPTMMVFVEPEGGLRGILDCRVSEPLASLTLHLGSRLVASSQPQGAPAEPI
 HVLASPNALRVDIEALRPSDQGEYICASNVLGSASTSTYFGVRLHRLHQFQQLLWVLGLLVGLLLLL
 LGLGACYTWRRRRVCKQSMGENSVEMAFQKETTQLIDPDAATCETSTCAPPLG
 LEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC224969 also available, [TP324969M](#)

Tag: C-Myc/DDK

Predicted MW: 180.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

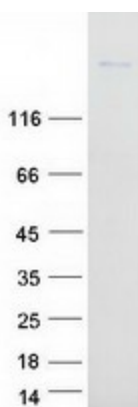
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

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| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_075556 |
| Locus ID: | 6614 |
| UniProt ID: | Q9BZZ2 |
| RefSeq Size: | 5130 |
| Cytogenetics: | 20p13 |
| RefSeq ORF: | 5127 |
| Synonyms: | CD169; SIGLEC-1; SN |
| Summary: | 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. Alternative splicing produces a transcript variant encoding an isoform that is soluble rather than membrane-bound; however, the full-length nature of this variant has not been determined. [provided by RefSeq, Jul 2008] |
| Protein Families: | Transmembrane |
| Protein Pathways: | Cell adhesion molecules (CAMs) |

Product images:



Coomassie blue staining of purified SIGLEC1 protein (Cat# TP324969). The protein was produced from HEK293T cells transfected with SIGLEC1 cDNA clone (Cat# [RC224969]) using MegaTran 2.0 (Cat# [TT210002]).