Recombinant Human SIGLEC1 Protein, C-His-tagged

Cat. No. SIGLEC1-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIGLEC1 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Chromogranins (secretogranins) are acidic glycoproteins that localize within secretory granules of endocrine, neuroendocrine and neuronal tissue. Family members include chromogranin A (Chr-A); chromogranin B (Chr-B), also known as secretogranin I; chromogranin C (also known as secretogranin II or Sg II); and secretogranin III (Sg III or SCG3). High levels of Chr-A expression are characteristic of neuroendocrine tumors. Pancreastatin is a peptide derived from Chr-A which inhibits Insulin secretion, exocrine pancreatic secretion and gastric acid secretion. Pancreastatin exists as two forms; the major form is expressed in stomach and colon extracts. In neuroendocrine cells the level Sg II has been shown to increase four-fold in response to histamine, while levels of Chr-A and Chr-B showed little or no increase. Sg III is an acidic secretory protein expressed in neuronal and endocrine cells. In the anterior lobe of the rat pituitary gland, Sg III is present in mammotropes and thyrotropes, moderately in gonadotropes and corticotropes, though not in somatotropes. Sg III and carboxypeptidase E (CPE) bind specifically to cholesterolrich secretory granule (SG) membranes.
Molecular Mass	~86 kDa

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AA Sequence	SWGVSSPQDVQGVKGSCLLIPCIFSFPADVEVPDGITAIWYYDYSGQRQVVSHSAD PKLVEARFRGRTEFMGNPEHRVCNLLLKDLQPEDSGSYNFRFEISEVNRWSDVKGT LVTVTEEPRVPTIASPVELLEGTEVDFNCSTPYVCLQEQVRLQWQGQDPARSVTFN SQKFEPTGVGHLETLHMAMSWQDHGRILRCQLSVANHRAQSEIHLQVKYAPKGVKI LLSPSGRNILPGELVTLTCQVNSSYPAVSSIKWLKDGVRLQTKTGVLHLPQAAWSDA GVYTCQAENGVGSLVSPPISLHIFMAEVQVSPAGPILENQTVTLVCNTPNEAPSDLR YSWYKNHVLLEDAHSHTLRLHLATRADTGFYFCEVQNVHGSERSGPVSVVVNHPPL TPVLTAFLETQAGLVGILHCSVVSEPLATLVLSHGGHILASTSGDSDHSPRFSGTSGP NSLRLEIRDLEETDSGEYKCSATNSLGNATSTLDFHANAARLLISPAAEVVEGQAVTL SCRSGLSPTPDARFSWYLNGALLHEGPGSSLLLPAASSTDAGSYHCRARDGHSAS GPSSPAVLTVLYPPRQPTFTTRLDLDAAGAGAGRRGLLLCRVDSDPPARLQLLHKD RVVATSLPSGGGCSTCGGCSPRMKVTKAPNLLRVEIHNPLLEEEGLYLCEASNALG NASTSATFNGQATVLAIAPSHTLQEGTEANLTCNVSREAAGSPANFSWFRNGVLWA QGPLETVTLLPVARTDAALYACRILTEAGAQLSTPVLLSVLYPPDRPK
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	SIGLEC1 sialic acid binding Ig-like lectin 1, sialoadhesin [Homo sapiens (human)]

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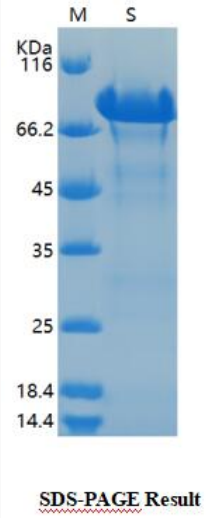
Official Symbol	SIGLEC1
Synonyms	SIGLEC1; sialic acid binding Ig-like lectin 1, sialoadhesin; sialoadhesin , SN; sialoadhesin; CD169; dJ1009E24.1; FLJ00051; FLJ00055; FLJ00073; FLJ32150; SIGLEC 1; sialic acid-binding Ig-like lectin 1; sialic acid-binding immunoglobulin-like lectin 1; SN; SIGLEC-1; FLJ00411; DKFZp667F058;
Gene ID	6614
mRNA Refseq	NM_023068
Protein Refseq	NP_075556
MIM	600751
UniProt ID	Q9BZZ2
SDS-PAGE	 SDS-PAGE Result

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