

Recombinant Human SIGLEC5 Protein, C-His-tagged

Cat. No. SIGLEC5-153H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIGLEC5 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	17-441 a.a.
Description	Two families of mammalian lectin-like adhesion molecules bind glycoconjugate ligands in a sialic acid-dependent manner: the selectins and the sialoadhesins. The sialic acid-binding immunoglobulin superfamily lectins, designated siglecs or sialoadhesins, are immunoglobulin superfamily members recognizing sialylated ligands. Siglec-5 binds equally to $\alpha 2,3$-linked and $\alpha 2,6$-linked sialic acid. There exist four isoforms of hSiglec-5 possessing three (hSiglec-5-3L and -3C) or four (hSiglec-5-4L and -4S) extracellular domains linked to long (hSiglec-5-3L and -4L) or short (hSiglec-5-4S) cytoplasmic tails or existing as a soluble isoform (hSiglec-5-3C). Siglec-5 is expressed by monocytes and neutrophils, but is absent from leukemic cell lines representing early stages of myelomonocytic differentiation. Siglec-5 may play a role in the diagnosis and monitoring of acute myeloid leukemia (AML).
Molecular Mass	~47 kDa
AA Sequence	EKPVYELQVQKSVTVQEGLCVLVPCSFSPWRSWYSSPPLYVYWFRDGEIPYYAEV VATNNPDRRVKPKETQGRFRLGQVQKKNCSLSIGDARMEDTGSYFFRVERGRDVK YSYQQNKLNLVLTALIEKPDHFLEPLESGRPTRLSCSLPGSCEAGPPLTFSWTGNAL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SPLDPETTRSSELTLTTPRPEDHGTNLTCQMKRQGAQVTTERTVQLNVSYPQTITIF
 RINGIALEILQNTSYLPVLEGQALRLLCDAPSNPPAHLWFGSPALNATPISNTGILEL
 RRVRSAAEEGGFTCRAQHPLGFLQIFLNLSVYSLPQLLGPSCSWEAEGHCRCSFRA
 RPAPSLCWRLEEKPLEGNSSQGSFKVNSSSAGPWANSSLILHGGGLSSDLKVSCA
 WNIYGSQSGSVLLLQGRSNLGTGVVPAAL

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

SIGLEC5 sialic acid binding Ig-like lectin 5 [Homo sapiens (human)]

Official Symbol

SIGLEC5

Synonyms

SIGLEC5; sialic acid binding Ig-like lectin 5; CD33L2; sialic acid-binding Ig-like lectin 5; CD170; OB BP2; SIGLEC 5; CD33 antigen-like 2; OB-binding protein 2; obesity-binding protein 2; sialic acid-binding immunoglobulin-like lectin 5; OBBP2; OB-BP2; SIGLEC-5;

Gene ID

8778

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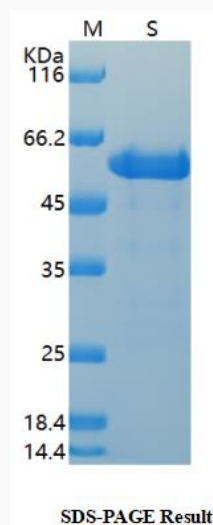
mRNA Refseq [NM_003830](#)

Protein Refseq [NP_003821](#)

MIM [604200](#)

UniProt ID [O15389](#)

SDS-PAGE



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