

Recombinant Human SIGLEC5 Protein, Fc-tagged

Cat. No. SIGLEC5-445H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SIGLEC5 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	551
Description	This gene encodes a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. These cell surface lectins are characterized by structural motifs in the immunoglobulin (Ig)-like domains and sialic acid recognition sites in the first Ig V set domain. The encoded protein is a member of the CD33-related subset of Siglecs and inhibits the activation of several cell types including monocytes, macrophages and neutrophils. Binding of group B Streptococcus (GBS) to the encoded protein plays a role in GBS immune evasion.
Form	Lyophilized
Molecular Mass	73 kDa
AA Sequence	MLPLLLLPLLLWGGSLQEKPVYELQVQKSVTVQEGLCVLVPCSFSYPWRSWYSSPPL YVYWFRDGEIPYYAEVVATNPNDRRVKPETQGRFRLLDVQKKNCSLSIGDARMED TGSYFFRVERGRDVKYSYQQNKLNLEVTALIEKPDHIFLEPLESGRPTLRLSCSLPGS CEAGPPLTFSWTGNALSPLDPETTRSSELTTPRPEDHGTNLTCQMKRQGAQVTTE RTVQLNVSYPQTTIFRNGIALEILQNTSYLPVLEGQALRLLCDAPSNPPAHLISWFQ

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GSPALNATPISNTGILELRRVRSAAEEGGFTCRAQHPLGFLQIFLNLSVYSLPQLLGPS
 CSWEAEGLHCRCSEFRARPAPSLCWRLEEKPLEGNSSQGSFKVNSSSAGPWANSS
 LILHGGLSSDLKVSCKAWNIYGSQSGSVLLLQGRSNLGTGVVPAALGGAGVMALLCI
 CLCLIFFLIVKARRKQAAGRPEKMDDEDPIMGTTITSGSRKKPWDPSPGDQASPPGDA
 PPLEEQKELHYASLSFSEMKSREPKDQEAPSTTEYSEIKTSK

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

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

Official Symbol SIGLEC5

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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
mRNA Refseq	NM_003830
Protein Refseq	NP_003821
MIM	604200
UniProt ID	O15389

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