

Recombinant Human SIGLEC5 Protein, His-tagged

Cat. No. SIGLEC5-2689H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIGLEC5 Protein (Pro19-Leu441) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro19-Leu441
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 50.4 kDa Accurate Molecular Mass: 50 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 80%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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
mRNA Refseq	NM_003830
Protein Refseq	NP_003821

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MIM	604200
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UniProt ID	O15389
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