

Recombinant Human SIGLEC5 protein, His & S-tagged

Cat. No. SIGLEC5-5674H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human SIGLEC5 aa. (Asp147~Pro335 (Accession # O15389)) fused with N-terminal His & S tag was produced in E. coli cells. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Asp147~Pro335 |
| 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 | 26 kDa as determined by SDS-PAGE reducing conditions. |
| Endotoxin | <1.0EU per 1g (determined by the LAL method) |
| Purity | >95% |

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|-----------------------|---|
| Characteristic | The isoelectric point is 5.7. |
| Applications | SDS-PAGE; WB; ELISA; IP. |
| 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°C 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°C for one month. Aliquot and store at -80°C for 12 months. |
| Storage buffer | Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4. |
| Reconstitution | Reconstitute in sterile PBS, pH7.2-pH7.4. |

GENE INFORMATION

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|------------------------|---|
| 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; CD170; OBBP2; CD33L2; OB-BP2; SIGLEC-5; sialic acid-binding Ig-like lectin 5; CD33 antigen-like 2; OB-binding protein 2; obesity-binding protein 2; sialic acid-binding immunoglobulin-like lectin 5 |
| Gene ID | 8778 |
| mRNA Refseq | NM_003830.3 |
| Protein Refseq | NP_003821.1 |

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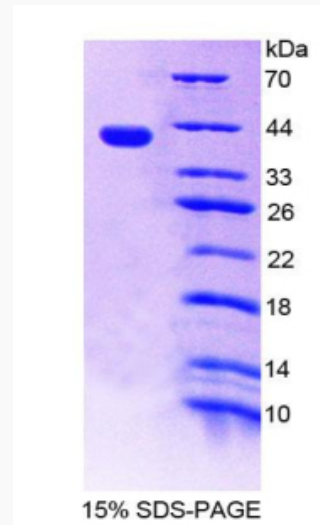
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UniProt ID

O15389

SDS-PAGE



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