

Active Recombinant Human SIGLEC6 Protein, Fc Tagged

Cat. No. SIGLEC6-0687H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Siglec-6, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Gln 16-Val 320 (Accession # AAH35359). This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Gln 16
Species	Human
Source	HEK293
ProteinLength	16-320 aa
Description	Sialic acid-binding Ig-like lectin 6 (SIGLEC6) is also known as CD antigen CD327, CD33 antigen-like 1 (CD33L or CD33L1), Obesity-binding protein 1 (OB-BP1). SIGLEC6 belongs to the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family, which contains two Ig-like C2-type (immunoglobulin-like) domains and one Ig-like V-type (immunoglobulin-like) domain. SIGLEC6 mediates sialic-acid dependent binding to cells. SIGLEC6 binds to alpha-2, 6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human Siglec-6, Fc Tag at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Human Siglec-6 Antibody, Rabbit IgG with a linear range of 0.2-16 ng/mL.

 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

Molecular Mass	The protein has a calculated MW of 60.3 kDa. The protein migrates as 80-100 kDa under reducing (R) condition, and 130-150 kDa and 250-300 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	SIGLEC6 sialic acid binding Ig-like lectin 6 [Homo sapiens (human)]
Official Symbol	SIGLEC6
Synonyms	SIGLEC6; sialic acid binding Ig-like lectin 6; CD33L, CD33L1; sialic acid-binding Ig-like lectin 6; CD327; OB BP1; SIGLEC 6; CD33 antigen-like 1; obesity-binding protein 1; CD33L; OBBP1; CD33L1; CD33L2; CDW327;
Gene ID	946
mRNA Refseq	NM_001177547

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Protein Refseq	NP_001171018
MIM	604405
UniProt ID	O43699

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