

CD33/Siglec-3 Recombinant Protein | CD33 recombinant protein

Human CD33/Siglec-3 protein, His tag (Animal-Free)

CATALOG #
AAA332463

HOST
HEK 293 Cells

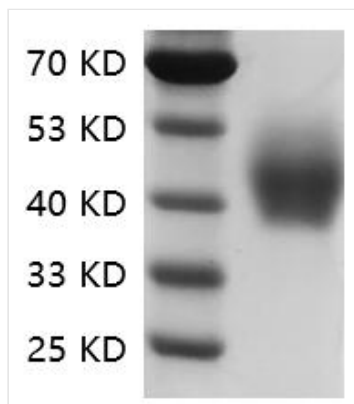
PRODUCT SYNONYMS

CD33/Siglec-3; Human CD33/Siglec-3 protein; His tag (Animal-Free); CD33 Molecule; SIGLEC3; Sialic Acid-Binding Ig-Like Lectin 3; Myeloid Cell Surface Antigen CD33; CD33 Antigen (Gp67); SIGLEC-3; Gp67; Sialic Acid Binding Ig-Like Lectin 3; CD33 Molecule Transcript 3; CD33 Antigen; CD33 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK 293 Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	0.22um filtered protein solution is in PBS, pH7.4.
Sequence Positions	Amino acid sequence derived from human CD33 protein (AAA51948, Met1-His259) was expressed with a polyhistidine tag at the C-terminus.
Endotoxin	<0.1 EU per ug of the protein as determined by the LAL method.
Protein Construction	Amino acid sequence derived from human CD33 protein (AAA51948, Met1-His259) was expressed with a polyhistidine tag at the C-terminus.
Protein Length	The recombinant human CD33/Siglec-3 protein consists of 248 amino acids and predicts a molecular mass of 27.3 kD. The apparent molecular mass of the human CD33 is approximately 40-55kDa in SDS-PAGE under reducing conditions due to glycosylation.
Usage Notes	It is recommended to reconstitute the lyophilized human CD33/Siglec-3 protein using the buffer we provided not less than 100ug/mL, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized humanCD33/Siglec-3 protein product should be stored desiccated below -20 degree C. Upon reconstitution, the protein should be stored at 4 degree C between 2-7 days and for future use below -20 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

IMAGES



SDS-PAGE

Fig.SDS-PAGE analysis of Human CD33/Siglec-3 protein.

ADDITIONAL INFORMATION

Related Product Information for CD33 recombinant protein	Description: Recombinant Human CD33/Siglec-3 protein expressed in HEK293 Cells. Background: The transmembrane protein CD33 is a sialic acid-binding immunoglobulin-like lectin that mediate the cell-cell interaction and inhibiting normal functions of immune cells. CD33 (siglec-3), a well-known target in leukemia therapy, is an inhibitory sialoadhesin expressed in human leukocytes of the myeloid lineage and some lymphoid subsets, including NK cells. It may constitute a control mechanism of the innate immune system. In the brain, CD33 is mainly expressed on microglial cells.
Product Categories/Family for CD33 recombinant protein	Cell Culture; Cytokines (Animal-Free)

NCBI AND UNIPROT INFORMATION

NCBI GeneID	945
UniProt Accession #	P20138
UniProt Protein Name	Myeloid cell surface antigen CD33
UniProt Gene Name	CD33
UniProt Synonym Gene Names	SIGLEC3; Siglec-3
UniProt Entry Name	CD33_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.