

CD33 recombinant protein

Recombinant Human CD33

CATALOG #
AAA39108

HOST
E Coli

PRODUCT SYNONYMS

CD33; Recombinant Human CD33; CD33 Human; CD33 Human Recombinant; CD33Molecule; CD33Antigen (Gp67); Sialic Acid Binding Ig-Like Lectin 3; Sialic Acid-Binding Ig-Like Lectin 3; SIGLEC3; gp67; SIGLEC-3; Myeloid Cell Surface AntigenCD33; p67; Siglec-3; CD33Antigen; CD33 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	CD33 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea, and 10% glycerol. Sterile Filtered clear solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS DPNFWLQVQE SVTVQEGLCV LVPCTFFHPI PYYDKNSPVH GYWFREGAII SGDSPVATNK LDQEVQEETQ GRFRLLGDPS RNNCSLSIVD ARRDNGSYF FRMERGSTKY SYKSPQLSVH VTDLTHRPKI LIPGTLEPGH SKNLTCVSW ACEQGTPIF SWLSAAPTSL GPRTTTHSSVL IITPRQDHG TNLTCQVKFA GAGVTTERTI QLNVTYVPQN PTTGIFPGDG SGKQETRAGV VH
Sequence Length	237
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CD33 recombinant protein	Description: CD33 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 265 amino acids (18-259 a.a) and having a molecular mass of 29.1kDa.CD33 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: CD33 is putative adhesion molecule of myelomonocytic-derived cells which mediates sialic-acid dependent binding to cells. CD33 prefers to bind to alpha-2,6-linked sialic acid. The sialic acid recognition site is masked by cis interactions with sialic acids on the same cell surface. In the immune response, CD33 perform as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatases through their SH2 domains which block signal transduction through dephosphorylation of signaling molecules. In addition, CD33 induces apoptosis in acute myeloid leukemia.
Product Categories/Family for CD33 recombinant protein	Recombinant & Natural Proteins; CD Antigens

NCBI AND UNIPROT INFORMATION

NCBI GI #	130980072
NCBI GeneID	945
NCBI Accession #	NP_001076087.1
NCBI GenBank Nucleotide #	NM_001082618.1
UniProt Accession #	P20138 ; Q8TD24 ; B4E3P8 ; C9JEN7 ; F8WAL2

Molecular Weight	25,293 Da
NCBI Official Full Name	myeloid cell surface antigen CD33 isoform 2
NCBI Official Synonym Full Names	CD33 molecule
NCBI Official Symbol	CD33
NCBI Official Synonym Symbols	p67; SIGLEC3; SIGLEC-3
NCBI Protein Information	myeloid cell surface antigen CD33; CD33 antigen (gp67); sialic acid binding Ig-like lectin 3; sialic acid-binding Ig-like lectin 3
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.

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Online datasheet: <https://stage.aaabiotech.com/cd33-recombinant-protein-e-coli/39108>