

Recombinant Human CD33 Protein, hlgG-His-tagged

Cat. No. CD33-240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD33(18-259aa) fused with hlgG-His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	18-259aa
Description	CD33, also known as myeloid cell surface antigen CD33 isoform 1, is a member of the Ig superfamily that is restricted to cells of the myelomonocytic lineage but whose functions and binding properties are unknown. It can function as a sialic acid-dependent cell adhesion molecule and that binding can be modulated by endogenous sialoglycoconjugates when it is expressed in a plasma membrane. It is usually considered myeloid-specific, but it can also be found on some lymphoid cells. It contains immunoreceptor tyrosine-based inhibitory motifs (ITIMs) that are implicated in inhibition of cellular activity. It has been identified to modulate the risk of Alzheimer's disease (AD) in several recent genome-wide association studies (GWAS) in Caucasians.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	54kDa (484aa) 50-70kDa (SDS-PAGE under reducing conditions)
AA Sequence	ADLDPNFWLQ VQESVTVQEG LCVLVPCTFF HPIPYDKNS PVHGYWFREG

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AIISGDSPVA TNKLDQEVQE ETQGRFRLLG DPSRNNCSLS
 IVDARRRDNG SYFFRMERGS TKYSYKSPQL SVHVTDLTHR PKILIPGTLE
 PGHSKNLTCS VSWACEQGTP PIFSWLSAAP TSLGPRTTTHS
 SVLIITPRPQ DHGTNLTCQV KFAGAGVTTE RTIQLNVTYV PQNPPTTGIFP
 GDGSGKQETR AGVVHLEPKS CDKTHTCPPE PPELLGGPS
 VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT
 KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP
 APIEKTISKA KGQPREPQVY TLPPSRDELTA KNQVSLTCLV KGFYPSDIAV
 EWESNGQPEN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ
 GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH

Purity > 90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [CD33 CD33 molecule \[Homo sapiens \]](#)

Official Symbol [CD33](#)

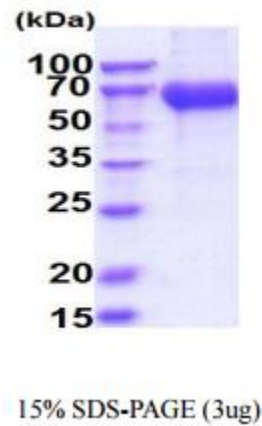
Synonyms CD33; CD33 molecule; CD33 antigen (gp67); myeloid cell surface antigen CD33; FLJ00391; p67; sialic acid binding Ig like lectin 3; SIGLEC 3; SIGLEC3; gp67; sialic acid binding Ig-like lectin 3; sialic acid-binding Ig-like lectin 3; SIGLEC-3;

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Gene ID	945
mRNA Refseq	NM_001772
Protein Refseq	NP_001763
MIM	159590
UniProt ID	P20138



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