

# Recombinant Full Length Human CD33 Protein, GST-tagged

Cat. No. CD33-3162HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CD33 full-length ORF (AAH28152.1, 1 a.a. - 364 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	364 amino acids
<b>Description</b>	CD33 (CD33 Molecule) is a Protein Coding gene. Diseases associated with CD33 include Gallbladder Lymphoma and Extracutaneous Mastocytoma. Among its related pathways are Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell and Natural Killer Cell Receptors: Human Target Cell – NK Cell Ligand-Receptor Interactions. GO annotations related to this gene include receptor activity and carbohydrate binding. An important paralog of this gene is SIGLEC6.
<b>Molecular Mass</b>	65.78 kDa
<b>AA Sequence</b>	MPLLLLLLPLWAGALAMDPNFWLQVQESVTVQEGLCVLVPCTFFHPIPIYYDKNSPVH GYWFREGAIISGDSPVATNKLDQEVQEETQGRFRLLGDPSRNNCSLSIVDARRRDN GSYFFRMERGSTKYSPQLSVHVTDLTHRPKILIPGTLEPGHSHKNTCSVSWACE QGTPIFSWLSAAPTSLGPRTHSSVLIITPRPQDHGTNLTCQVKFAGAGVTTERTIQ LNVTYVPQNPTTGIFPGDGSQKQETRAGVVHGAIGGAGVTALLALCLCLIFFIVKTHR RKAARTAVGRNDTHPTTGSASPKHQKSKLHGPTETSSCSGAAPTVEEMDEELHYA SLNFHGMNPSKDTSTEYSEVRTQ

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	CD33 CD33 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD33
<b>Synonyms</b>	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;
<b>Gene ID</b>	945
<b>mRNA Refseq</b>	NM_001082618
<b>Protein Refseq</b>	NP_001076087
<b>MIM</b>	159590
<b>UniProt ID</b>	P20138

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