

CD33 recombinant protein

CD33,18-259aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48882	HOST E Coli	APPLICATIONS SDS-Page
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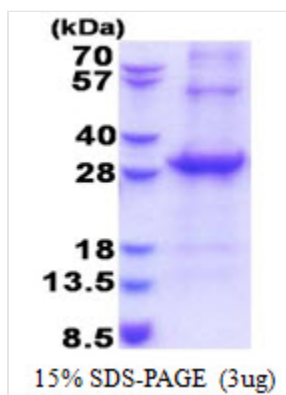
PRODUCT SYNONYMS

CD33; 18-259aa; Human; His tag; E Coli (Denatured); CD33 molecule; FLJ00391; p67; SIGLEC-3; SIGLEC3; CD33 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSDPNFWLQ VQESVTVQEG LCVLPCTFF HPIPYDKNS PVHGYWFREG AIISGDSPVA TNKLDQEVQE ETQGRFRLG DPSRNNCSLS IVDARRRDNG SYFFRMERGS TKYSYKSPQL SVHVTDLTHR PKILIPGTLE PGHKNLTCS VSWACEQGTP PIFSWLSAAP TSLGPRTHS SVLIITPRPQ DHGTNLTCQV KFAGAGVTTE RTIQLNVTYV PQNPPTGIFP GDGSGKQETR AGVVH
Sequence Length	364
Applicable Applications for CD33 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CD33 recombinant protein	CD33 is putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. It preferentially 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. In the immune response, CD33 may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase (s) via their SH2 domain (s) that block signal transduction through dephosphorylation of signaling molecules. This protein induces apoptosis in acute myeloid leukemia (in vitro). Recombinant human CD33 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for CD33 recombinant protein	Stem Cell
References	ulyanova T., et al. (1999) Eur. J. Immunol. 29:3440-3449; Vitale C., et al. (2001) Proc. Natl. Acad. Sci. u.S.A. 98:5764-5769;

NCBI AND UNIPROT INFORMATION

NCBI GI #	20381382
NCBI GeneID	945
Molecular Weight	29.1 kDa (265aa)
NCBI Official Full Name	CD33 molecule
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
UniProt Protein Name	Myeloid cell surface antigen CD33
UniProt Gene Name	CD33
UniProt Synonym Gene Names	SIGLEC3; Siglec-3

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.