



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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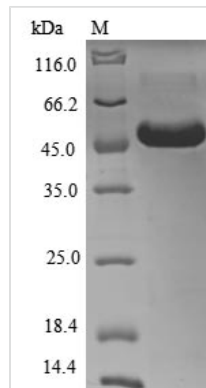
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# Recombinant Human Myeloid cell surface antigen CD33 (CD33), partial

<b>Product Code</b>	CSB-EP004925HU
<b>Relevance</b>	Putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. 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, 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. Induces apoptosis in acute myeloid leukemia
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P20138
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	DPNFWLQVQESVTVQEGLCVLVPCTFFHPIPYDKNSPVHGYWFRGAIISRDS SPVATNKLDQEVQEETQGRFRLLGDPSRNNCSLSIVDARRRDNGSYFFRMER GSTKYSYKSPQLSVHVTDLTHRPKILIPGTLEPGHSKNLTCVSWACEQGTPPI FSWLSAAPTSLGPRTTTHSSVLIITPRPQDHGTNLTCQVKFAGAGVTTERTIQLN VTYVPQNPTTGIFPGDGSGKQETRAGVVH
<b>Research Area</b>	Immunology
<b>Source</b>	E.coli
<b>Target Names</b>	CD33
<b>Protein Names</b>	Sialic acid-binding Ig-like lectin 3 Short name: Siglec-3 gp67 CD_antigen: CD33 SIGLEC3
<b>Expression Region</b>	48-259aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	46.7 kDa
<b>Protein Length</b>	Extracellular Domain
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

The gene encoding the Human CD33 protein (18-259aa) is incorporated into a plasmid vector to generate recombinant plasmid, which is then introduced into e.coli cells. The e.coli cells containing the recombinant plasmid are selected and cultured under conditions that stimulate the expression of the gene of interest. A N-terminal 10xHis-SUMO tag and C-terminal Myc tag is attached to the protein. After expression, affinity purification is employed to isolate and purify the recombinant Human CD33 protein from the cell lysate. Denaturing SDS-PAGE is utilized to resolve the resulting recombinant Human CD33 protein, revealing a purity level exceeding 85%.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.