

Active Recombinant Human CD33 Protein, LIgG2b Fc-tagged, low endotoxin

Cat. No. CD33-342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human CD33 Protein, LIgG2b Fc-tagged, low endotoxin is expressed from human 293 cells (HEK293). It contains AA Asp 18 - His 259 (Accession # AAH28152.1). Predicted N-terminus: Asp 18. This protein carries a llama IgG2b Fc tag at the C-terminus. The protein has a calculated MW of 54.6 kDa. The protein migrates as 64-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Species Human

Source HEK293

ProteinLength Asp 18 - His 259

Form Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.

Bio-activity Recombinant Human CD33 protein, LIgG2b Fc-tagged, low endotoxin at 5 µg/mL (100 µL/well) can bind Anti-CD33, Human IgG1 with a linear range of 0.078-1.25 µg/mL (QC tested).

Molecular Mass 54.6 kDa

Endotoxin Less than 0.01 EU per µg by the LAL method.

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity | >95% as determined by SDS-PAGE. |
| Notes | Please avoid repeated freeze-thaw cycles. |
| Stability | No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. |
| Storage | For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |

GENE INFORMATION

| | |
|------------------------|---------------------------------------------------------------------------------------------|
| Gene Name | CD33 CD33 molecule [Homo sapiens] |
| Official Symbol | CD33 |
| Synonyms | CD33; CD33 molecule; CD33 antigen (gp67); FLJ00391; p67; SIGLEC 3; SIGLEC3; gp67; SIGLEC-3; |
| Gene ID | 945 |
| mRNA Refseq | NM_001082618 |
| Protein Refseq | NP_001076087 |
| MIM | 159590 |

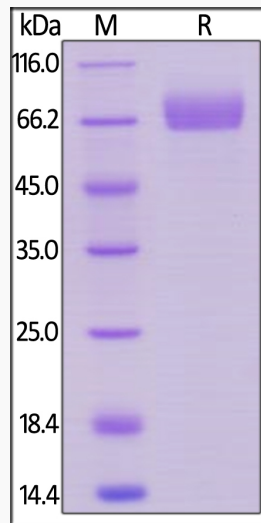
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UniProt ID

P20138



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