## PRODUCT INFORMATION

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| **Target** | CD33 |
| **Synonyms** | p67; SIGLEC3; SIGLEC-3 |
| **Description** | Recombinant human CD33(18-259) Protein with C-terminal 10×His tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P20138 |
| **Expression Host** | HEK293 |
| **Tag** | C-10×His tag |
| **Molecular Characterization** | CD33(Asp18-His259) 10×His tag |
| **Molecular Weight** | The protein has a predicted molecular mass of 28.2 kDa after removal of the signal peptide. The apparent molecular mass of CD33(18-259)-His is approximately 35-55 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | Enables protein phosphatase binding activity and sialic acid binding activity. Involved in several processes, including negative regulation of cytokine production; negative regulation of monocyte activation; and positive regulation of protein tyrosine phosphatase activity. Located in several cellular components, including Golgi apparatus; external side of plasma membrane; and peroxisome. [provided by Alliance of Genome Resources, Apr 2022] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

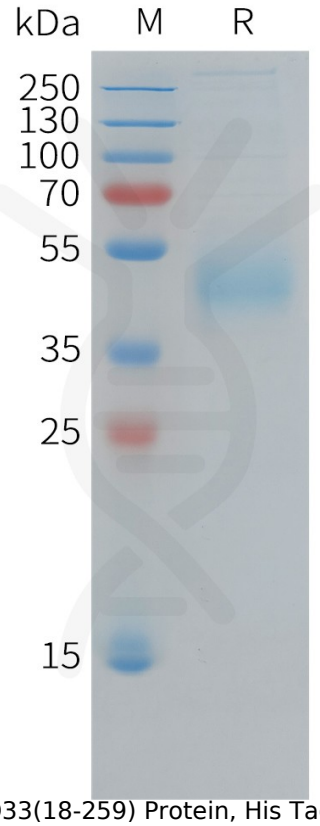


Figure 1. Human CD33(18-259) Protein, His Tag on SDS-PAGE under reducing condition.



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