

## MOUSE CD34 PROTEIN, HFC TAG

**Cat.#:** 12188

**Product Name:** Mouse CD34 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Hematopoietic progenitor cell antigen CD34;Cd34

**Target:** CD34

**UNIPROT ID:** Q64314

**Description:** Recombinant mouse CD34 protein with C-terminal human Fc tag

**Background:** Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins (By similarity).[UniProtKB/Swiss-Prot Function]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 53.3 kDa after removal of the signal peptide. The apparent molecular mass of mCD34-hFc is approximately 70-100 kDa due to glycosylation.

**Molecular Characterization:** Mouse CD34(Thr35-Thr287) hFc(Glu99-Ala330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**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.

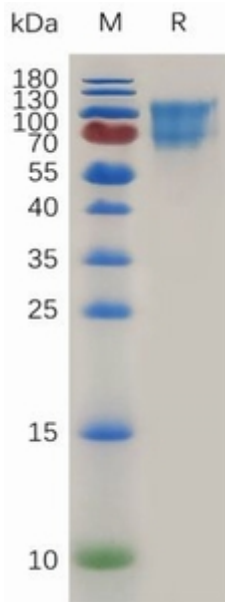


Figure 1. Mouse CD34 Protein, hFc Tag on SDS-PAGE under reducing condition.