PRODUCT INFORMATION

Target	CD34
Synonyms	Hematopoietic progenitor cell antigen CD34;Cd34
Description	Recombinant mouse CD34 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q64314
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse CD34(Thr35-Thr287) hFc(Glu99-Ala330)
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.
Purity	The purity of the protein is greater than 95% 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	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]
Usage	Research use only
Conjugate	Unconjugated

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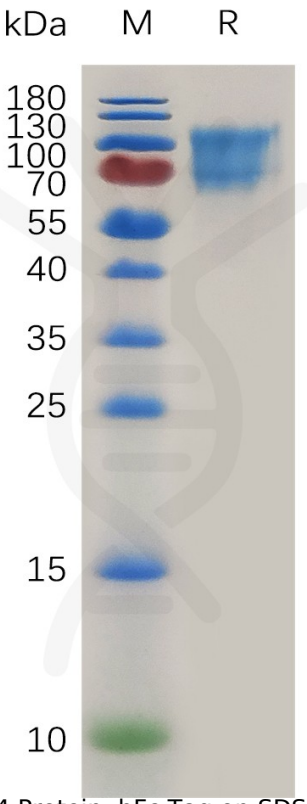


Figure 1. Mouse CD34 Protein, hFc Tag on SDS-PAGE under reducing condition.

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