

## Active Recombinant Human CD34 protein, hFc-tagged

Cat. No. CD34-651H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Active Recombinant Human CD34 protein(NP_001020280.1) (Met 1-Thr 290) was expressed in Human Cells, fused with the Fc region of human IgG1 at the C-terminus.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | Human Cells  |
| <b>ProteinLength</b>    | 1-290 aa   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.  |
| <b>Bio-activity</b>     | Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When 4 x 10E4 cells/well are added to human CD34 coated plates (0.8 µg/ml, 100 µl/well), approximately >40 % will adhere after one hour at 37 °C.  |
| <b>Molecular Mass</b>   | The recombinant human CD34/Fc is a disulfide-linked homodimer generated after removal of the signal peptide. The reduced monomer consists of 497 amino acids and has a predicted molecular mass of 54 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is 116 and 96 kDa due to different glycosylation. |
| <b>Endotoxin</b>        | Less than 1 EU per µg by the LAL method.   |
| <b>Purity</b>           | > (67.1+28.7) % as determined by SDS-PAGE  |

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**Storage** Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** CD34 CD34 molecule [ Homo sapiens ]

**Official Symbol** CD34

**Synonyms** CD34; CD34 molecule; CD34 antigen; hematopoietic progenitor cell antigen CD34;

**Gene ID** 947

**mRNA Refseq** NM\_001025109

**Protein Refseq** NP\_001020280

**MIM** 142230

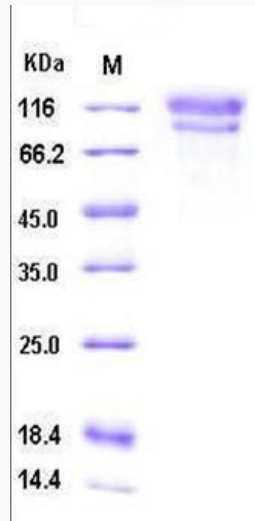
**UniProt ID** P28906

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SDS-PAGE



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