

Active Recombinant Human CD34 protein, hFc-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	1-290 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> (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.
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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.
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GENE INFORMATION

Gene Name	CD34 CD34 molecule [Homo sapiens]
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Official Symbol	CD34
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Synonyms	CD34; CD34 molecule; CD34 antigen; hematopoietic progenitor cell antigen CD34;
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Gene ID	947
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mRNA Refseq	NM_001025109
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Protein Refseq	NP_001020280
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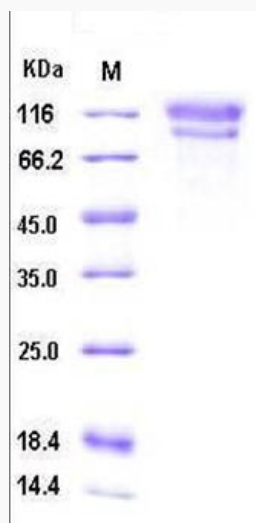
MIM	142230
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UniProt ID	P28906
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SDS-PAGE

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