

Active Recombinant Human CD34, His-tagged, Biotinylated

Cat. No. CD34-572H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human CD34 ECD protein is expressed as a 280-amino acid protein consisting of Ser32 - Thr290 region of (UniProt accession #P28906) and a C-terminal His-tag. It contains 9 potential N-linked glycosylation sites.
Source	Human cells
Species	Human
Tag	His
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Interacts with L-selectin and supports the adhesion of the human umbilical vein endothelial cell line (HUVEC). Binds anti-CD34 monoclonal antibodies, human IgG1 and rabbit IgG by ELISA with this immobilized protein.
Molecular Mass	Calculated molecular mass (kDa): 30; Estimated by SDS-PAGE under reducing condition (kDa): 75-90 suggesting that the protein may be heavily glycosylated.
AA Sequence	SLDNNGTATPELPTQGTFSNVSTNV SYQETTTTPSTLGSTSLHPVSQHGNE ATTNITETT VKFTSTSVITSVYGNT NSSVQSQTSVISTVFTTPANVSTPE TTLKPSLSPGNVSDLSTTSTSLATS PTKPYTSSSPILSDIAEIKCSGI REVKL TQGICLEQNKTSSCAEFKKD RGEGLARVLCGEEQADADAGA QVCS LLLAQSEVRPQCLLLVLNARTEIS SKLQLMKKHQSDLKKLGILDFTEQD

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VASHQSYSQKTSTTENLYFQGSTGH HHHHHHH

Endotoxin <0.1 eu per 1 µg of purified recombinant protein determined by the

Purity >92% judged by SDS-PAGE under reducing condition

Storage The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

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](#)

Chromosome 1q32

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Location	
Pathway	Adaptive Immune System, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Immune System, organism-specific biosystem;
Function	carbohydrate binding; sulfate binding; transcription factor binding;

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