

Recombinant Human CD34 Protein, C-His-tagged

Cat. No. CD34-192H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD34 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD34 is a type I transmembrane glycoposphoprotein expressed by hematopoietic stem/progenitor cells, vascular endothelium and some fibroblasts . CD34 expression has been the hallmark used to identify hematopoietic stem cells for many years. CD34+ hematopoietic stem cells expand and differentiate into all the lymphohematopoietic lineages upon cytokine or growth factor stimulation and lose CD34 expression upon differentiation. However, recent studies performed in various laboratories conflict with that convention. The extracellular domain of CD34 is homologous to CD43, a protein involved in cell-cell adhesion, and CD34 has been shown to function as a negative regulator of cell adhesion. CD34 associates with CrkL but not CrkII, is a substrate for PKC, and activation of PKC is coupled with surface expression of CD34.
Molecular Mass	~29 kDa
AA Sequence	SLDNGGTATPELPTQGTFSNVSTNVSYQETTTTPSTLGSTSLHPVSQHGNEATTNITE TTVKFTSTSVITSVYGNTNSSVQSQTSVISTVFTTPANVSTPETTLKPSLSPGNVSDL STTSTSLATSPTKPYTSSSPILSDIAEIKCSGIREVKLTQGICLEQNKTSSCAEFKKDR GEGLARVLCGEEQADADAGAQCSSLILAQSEVRPQCLLLVLANRTEISSKLQLMKK

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	HQSDLKKLGILDFTEQDVASHQSYSQKT
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

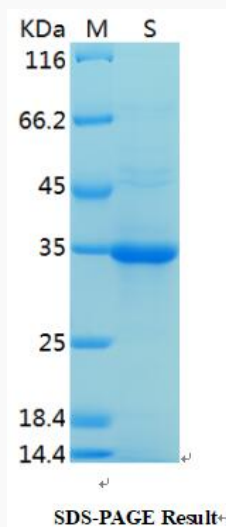
Gene Name	CD34 CD34 molecule [Homo sapiens (human)]
Official Symbol	CD34
Synonyms	CD34; CD34 molecule; CD34 antigen; hematopoietic progenitor cell antigen CD34;
Gene ID	947
mRNA Refseq	NM_001025109
Protein Refseq	NP_001020280
MIM	142230
UniProt ID	P28906

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SDS-PAGE



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