

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	<p>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.</p>
Molecular Mass	~29 kDa
AA Sequence	<p>SLDNNGTATPELPTQGTFSNVSTNVSYQETTTTPSTLGSTSLHPVSQHGNEATTNITE TTVKFTSTSVITSVYGNTNSSVQSQTSVISTVFTTPANVSTPETTLKPSLSPGNVSDL STTSTSLATSPTKPYTSSSPILSDIKAEIKCSGIREVKLTQGICLEQNKTSSCAEFKKDR GEGLARVLCGEEQADADAGAQCSSLLLAQSEVRPQCLLLVLANRTEISSKLQLMKK</p>

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HQSDLKKGILDFTEQDVASHQSYSQKT

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

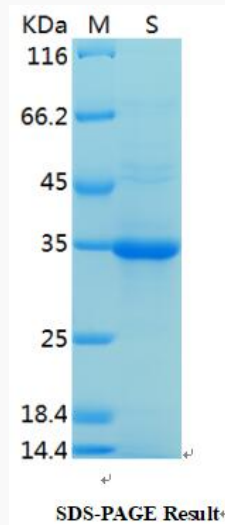
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SDS-PAGE



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