



Recombinant Human CD34, soluble

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	S01-065S
Size:	5 µg
Lot. No.:	According to product label

Sequence

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LDNNGTATPE LPTQGTFSNV STNVSQYQETT TPSTLGSTSL
HPVSQHGNEA TTNITETTVK FTSTSVITSV YGNTNSSVQS
QTSVISTVFT TPANVSTPET TLKPSLSPGN VSDLSTSTS
LATSPTKPYT SSSPILSDIK AEIKCSGIRE VKLTQGICLE
QNKTS SCAEF KKDRGEGLAR VLCGEEQADA DAGAQVCSLL
LAQSEVRPQC LLLVLNARTE ISSKLQLMKK HQSDLKKGIL
LDFTEQDVAS HQSYSQKT
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Database References

Protein RefSeq:	NP_001764.1
Uniprot ID:	P28906
mRNA RefSeq:	NM_001773.2

Scientific Background

Gene-ID (NCBI):	947
Synonyms:	CD34

CD34 is a highly glycosylated type I membrane protein that is selectively expressed on hematopoietic stem cells and vascular endothelium. It has been widely used as a molecular marker for the identification, isolation, and manipulation of hemopoietic stem cells and progenitors. CD34 can function as a regulator of hemopoietic cell adhesion by mediating the attachment of stem cells to bone marrow stromal cells or other bone marrow components. The full length human CD34 is a 385 amino acid protein, consisting of a 31 amino acid signal sequence, a 74 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain and a 259 amino acid extracellular domain. Recombinant human sCD34 is a 258 amino acid polypeptide containing only the extracellular domain of the full length CD34 protein.

Product Specifications

Expressed in	CHO cells
Purity	>95% by SDS-PAGE & HPLC analysis
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	258
MW:	27.3 kDa

Biological Activity: Data not available.



AVOID REPEATED FREEZE AND THAW CYCLES!