sCD34 Human Chinese Hamster Ovary Cells (CHO)

Product Data Sheet

Type: Recombinant
Source: Chinese Hamster Ovary Cells (CHO)
Species: Human
Other names: Hematopoietic progenitor cell antigen CD34

Cat. No.:

RBG10100005	(5 µg)
RBG10100020	(20 µg)
RBG10100100	(100 µg)

Description

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. The calculated molecular weight of Recombinant Human sCD34 is 27.4 kDa.

Research topic

Others

Amino Acid Sequence

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LDNNGTATPE LPTQGTFSNV STNVSYQETT TPSTLGSTSL HPVSQHGNEA TTNITETTVK FTSTSVITSV YGNTNSSVQS
QTSVISTVFT TPANVSTPET TLKPSLSPGN VSDLSTTSTS LATSPTKPYT SSSPILSDIK AEIKCSGIRE VKLTQGICLE
QNKTSSCAEF KKDRGEGLAR VLCGEEQADA DAGAQVCSLL LAQSEVRPQC LLLVLANRTE ISSKLQLMKK HQSDLKKLGI
LDFTEQDVAS HQSYSQKT
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Source

Chinese Hamster Ovary Cells (CHO)

Purity

95%

Biological Activity

Data not available.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

-20°C

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