

Recombinant Human CD34, His-tagged

Cat. No. CD34-7520H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD34 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	32-290aa
Antigen Description	Hematopoietic progenitor cell antigen CD34 is a heavily glycosylated, transmembrane glycoprotein that is expressed on the surface of lymphohematopoietic stem and progenitor cells, small-vessel endothelial cells, embryonic fibroblasts and some cells in fetal and adult nervous tissue. It is likely an adhesion molecule with a role in early hematopoiesis by mediating attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	29.7 kDa (280aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MSLDNNGTAT PELPTQGTFS NVSTNVSYQE TTTPSTLGST SLHPVSQHG N EATTNITETT VKFTSTSVIT SVYGNTNSSV QSQTSVISTV FTTPANVSTP ETTLKPSLSP GNVSDLSTTS TSLATSPTKP YTSSSPILSD IKAEIKCSGI REVKLTQGIC LEQNKTS SCA EFKKDRGEGL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ARVLCGEEQA DADAGAQVCS LLLAQSEVRP QCLLLVLNR TEISSKLQLM
KKHQSDLKKL GILDFTEQDV ASHQSYSQKT

Purity >90% as determined by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml

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 Location 1q32

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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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