

# Recombinant Human CD34 protein

**Cat. No.** CD34-266H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD34, transcript variant 1, was expressed in CHO.                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins. |
| <b>Form</b>             | Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 27 kDa                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | LDNNGTATPELPTQGTFSNVSTNVSQYQETTTPLGSTSLHPVSQHGNEATTNITET<br>TVKFTSTSVITSVYGNTNSSVQSQTSTVISTVFTTPANVSTPETTLKPSLSPGNVSDLS<br>TTSTSLATSPTKPYTSSSPILSDIAEIKCSGIREVKLTQGICLEQNKTS SCAEFKKDR<br>GEGLARVLCGEEQADADAGAQCVCALLLAQSEVRPQCLLLVLNARTEISSKLQLMKK<br>HQSDLKKLGILDFTEQDVASHQSYSQKT                                                                                                             |
| <b>Endotoxin</b>        | Endotoxin level is <0.1 ng/g of protein (<1EU/g).                                                                                                                                                                                                                                                                                                                                               |

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**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Resuspend the protein in the desired concentration in proper buffer

## 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

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