

# Recombinant Human CD34 protein ab126924

## Description

Product name	Recombinant Human CD34 protein
Purity	> 95 % SDS-PAGE. Greater than 95% by SDS-PAGE gel and HPLC analyses.
Endotoxin level	< 0.100 Eu/μg
Expression system	CHO cells
Accession	<b><u>P28906</u></b>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	LDNNGTATPE LPTQGTFSNV STNVSQYQETT TPSTLGSTSL HPVSQHGNEA TTNITETTVK FTSTSVITSV YGNTNSSVQS QTSVISTVFT TPANVSTPET TLKPSLSPGN VSDLSTTSTS LATSPTKPYT SSSPILSDIK AEIKCSGIRE VKLTQGICLE QNKTSSCAEF KKDRGEGLAR VLCGEEQADA DAGAQVCSLL LAQSEVRPQC LLLVLNRTE ISSKLQLMKK HQSDLKKLGI LDFTEQDVAS HQSYSQKT
Predicted molecular weight	27 kDa
Amino acids	33 to 290

## Specifications

Our **Abpromise guarantee** covers the use of **ab126924** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized

## Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -80°C.
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Constituent: 0.16% Sodium phosphate

## 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 -20oC to -80oC.

## General Info

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### Function

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.

### Tissue specificity

Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues.

### Sequence similarities

Belongs to the CD34 family.

### Developmental stage

On early hematopoietic progenitor cells.

### Post-translational modifications

Highly glycosylated.  
Phosphorylated on serine residues by PKC.

### Cellular localization

Membrane.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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