abcam

Product datasheet

Recombinant Human CD34 protein ab182830

Description

Product name	Recombinant Human CD34 protein
Purity	> 90 % SDS-PAGE. ab182830 was refolded using a unique “temperature shift inclusion body refolding” technology and chromatographically purified.
Expression system	Escherichia coli
Accession	P28906
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFSLDNNGTATPELPTQGTFSNV STNVSYQETTTPSTLGSTSLHPVSQHGNEATTNITETTVKFTSTSVITSV YGNTNSSVQSQTSVISTVFTTPANVSTPETTLKPSLSPGNVSDLSTTSTS LATSPTKPYTSSSPILSDIKAEIKCSGIREVKLTQGICLEQNKTSSCAEF KKDRGEGLARVLCGEEQADADAGAQVCSLLLAQSEVRPQCLLLVLANRTE ISSKLQLMKKHQSDLKKLGILDFTEQDVASHQSYSQKT
Predicted molecular weight	31 kDa including tags
Amino acids	32 to 290
Tags	His-T7 tag N-Terminus
Additional sequence information	Constructed with codon optimization and expressed with a small T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal. NP_001764

Specifications

Our **Abpromise guarantee** covers the use of **ab182830** 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

Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituent: 0.32% Tris HCl Contains NaCl, KCl, EDTA, arginine, DTT and Glycerol.

General Info

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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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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