

Recombinant human CD34 protein

Catalog Number: ATGP3447

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

32-290aa

UniProt No.

P28906

NCBI Accession No.

NP_001764.1

Alternative Names

Hematopoietic progenitor cell antigen CD34 isoform b, CD34

PRODUCT SPECIFICATION

Molecular Weight

28.6 kDa (268aa)

Concentration

0.25mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CD34, also known as hematopoietic progenitor cell antigen CD34 isoform b, is a member of a family of single-pass transmembrane sialomucin proteins. It is 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. This protein could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to

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lectins expressed by stromal cells or other marrow components. Recombinant human CD34, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADL>SLDNNGT ATPELPTQGT FSNVSTNVSQY QETTPSTLG STSLHPVSQH GNEATTNITE TTVKFTSTSV ITSVYGNNTS
SVQSQTSTVIS TVFTTPANVS TPETTLKPSL SPGNVSDLST TSTSLATSPT KPYTSSSPIL SDIKAEIKCS GIREVKLTQG
ICLEQNKTSS CAEFKKDRGE GLARVLCGEE QADADAGAQQV CSLLLAQSEV RPQCCLLLVLA NRTEISSKLQ LMKKHQSDLK
KLGILDFTEQ DVASHQSYSQ KT<HHHHHH>

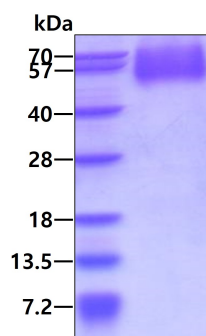
General References

Nielsen JS., et al. (2009) Microcirculation. 16:487-496.

Mastrandrea F., et al. (2008) Eur Ann Allergy Clin Immunol. 40:90-103.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.