

Recombinant human CD34 protein

Catalog Number: ATGP1964

PRODUCT INFORMATION

Expression system

E.coli

Domain

32-290aa

UniProt No.

P28906

NCBI Accession No.

NP_001020280

Alternative Names

Hematopoietic progenitor cell antigen CD34, CD34 molecule

PRODUCT SPECIFICATION

Molecular Weight

29.7 kDa (280aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

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

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. Recombinant human CD34 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

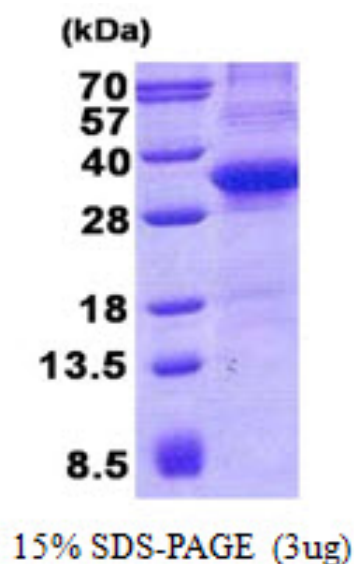
MGSSHHHHHH SSGLVPRGSH MSLDNNGTAT PELPTQGTFS NVSTNVSQYE TTPSTLGST SLHPVSQHGN EATTNITETT
VKFTSTSVIT SVYGNTNSSV QSQTSVISTV FTTANVSTP ETTLKPSLSP GNVSDLSTTS TSLATSPTKP YTSSSPILSD
IKAEIKCSGI REVKLTQGIC LEQNKTSSCA EFKKDRGEGL ARVLCGEEQA DADAGAQVCS LLLAQSEVRP QCLLLVLANR
TEISSKLQLM KKHQSDLKKL GILDFTEQDV ASHQSYSQKT

General References

Satterthwaite A B., et al. (1992) Genomics. 12: 788-794
Krause D S., et al. (1994) Blood. 84: 691-701.

DATA

SDS-PAGE



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