

# 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.

# Recombinant human CD34 protein

Catalog Number: ATGP1964

## Amino acid Sequence

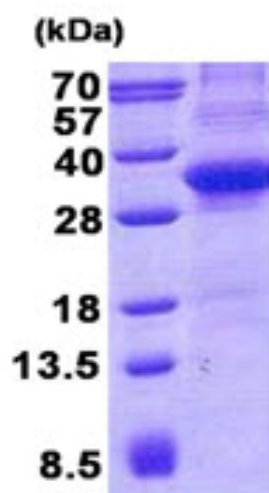
MGSSHHHHHH SGLVPRGSH MSLDNNGTAT PELPTQGTFS NVSTNVSQYE TTPSTLGST SLHPVSQHGN EATTNITETT  
VKFTSTSVIT SVYGNTNSSV QSQTSVISTV FTTPANVSTP ETTLKPSLSP GNVSDLSTTS TSLATSPTKP YTSSSPILSD  
IKAEIKCSGI REVKLTQGIC LEQNKTSSEA EFKKDRGEGE ARVLCGEEQA DADAGAQCVC LLLAQSEVRP QCLLLVLANR  
TEISSKLQLM KKHQSDLKKL GILDFTEQDV 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.

15% SDS-PAGE (3ug)