

# Recombinant Human CD34 Protein

Catalog No.: RP01359 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	947	P28906-1

### Tags

C-hFc&His

### Synonyms

CD34; CD34 molecule;CD34 molecule;GIG3;MORT1

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
54.27 kDa	100-120 kDa

### Endotoxin

<0.1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

The CD34 protein is a member of a family of single-pass transmembrane sialomucin proteins that show expression on early hematopoietic and vascular-associated tissue. CD34 is also an important adhesion molecule and is required for T cells to enter lymph nodes. It is expressed on lymph node endothelia whereas the L-selectin to which it binds is on the T cell. It was indicated that CD34 is a phosphorylation target for activated PKC, and couples to the hematopoietic adapter protein CrkL, which were involved in CD34 signaling pathways. CD34 is aberrantly expressed in many kinds of tumors and is implicated in leukemogenesis.

## Basic Information

### Description

Recombinant Human CD34 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser32-Thr290) of human CD34 (Accession #NP\_001020280.1) fused with a Fc, 6×His tag at the C-terminus.

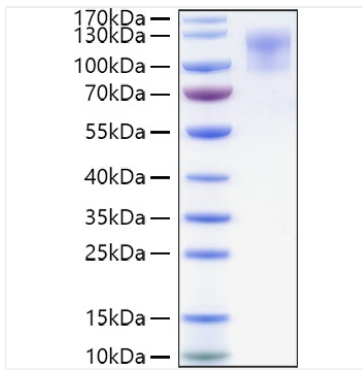
### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human CD34 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100-120kDa.