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# Recombinant Human sCD34
**Catalog # PBG10395**

## Specification

### Recombinant Human sCD34 - Product Information

### Recombinant Human sCD34 - Additional Information

**Description**
CD34 is a highly glycosylated type I membrane protein that is selectively expressed on hematopoietic stem cells and vascular endothelium. It has been widely used as a molecular marker for the identification, isolation, and manipulation of hemopoietic stem cells and progenitors. CD34 can function as a regulator of hemopoietic cell adhesion by mediating the attachment of stem cells to bone marrow stromal cells or other bone marrow components. The full length human CD34 is a 385 amino acid protein, consisting of a 31 amino acid signal sequence, a 74 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain and a 259 amino acid extracellular domain. Recombinant human sCD34 is a 258 amino acid polypeptide containing only the extracellular domain of the full length CD34 protein.

**BiologicalActivity**
Testing in Progress.

**Authenticity**
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**
Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**
-20°C

**Precautions**
Recombinant Human sCD34 is for research use only and not for use in diagnostic or therapeutic procedures.

### Recombinant Human sCD34 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

- Flow Cytomety
- Cell Culture

**Recombinant Human sCD34 - Images**