Human CD34 Protein (Fc Tag)

Catalog Number: 10103-H02H

General Information

Gene Name Synonym:
CD34

Protein Construction:
A DNA sequence encoding the extracellular domain of human CD34 precursor (NP_001020280.1) (Met 1-Thr 290) was fused with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > (67.1+28.7) % as determined by SDS-PAGE

Bio Activity:
Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When 4 x 10^4 cells/well are added to human CD34 coated plates (0.8 μg/ml, 100 μl/well), approximately >40 % will adhere after one hour at 37 °C.

Endotoxin:
< 1.0 EU per μg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Ser 32

Molecular Mass:
The recombinant human CD34/Fc is a disulfide-linked homodimer generated after removal of the signal peptide. The reduced monomer consists of 497 amino acids and has a predicted molecular mass of 54 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is 116 and 96 kDa due to different glycosylation.

Formulation:
Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, manitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References