

Human SELP / P Selectin (Fc Tag) recombinant protein



Catalog Number: 500210

General Information

Gene Name Synonym

CD62 antigen-like family member P; Granule membrane protein 140; Leukocyte-endothelial cell adhesion molecule 3; Platelet activation dependent granule-external membrane protein

Protein Construction

A DNA sequence encoding the human SELP (AAN06828.1) extracellular domain (Met 1-Ala 771) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5×10^4 cells/well are added to SELP/Fc Chimera coated plates (10 $\mu\text{g/mL}$ with 100 $\mu\text{L/well}$), > 80% cells will adhere for 1 hour incubation at 37°C.

Purity

> 85 % as determined by SDS-PAGE

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

Trp 42

Molecular Mass

The recombinant human SELP/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 971 amino acids and has a predicted molecular mass of 107 kDa. The apparent molecular mass of the reduced monomer is approximately 130-150 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

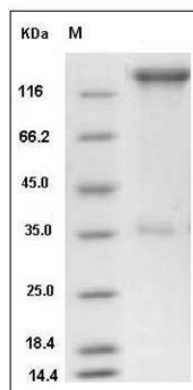
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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