

Human PDGFRA/CD140a (Fc Tag) recombinant protein



Catalog Number: 503534

General Information

Gene Name Synonym

Alpha platelet-derived growth factor receptor; Alpha-type platelet-derived growth factor receptor; CD140 antigen-like family member A; CD140a antigen; Platelet-derived growth factor alpha receptor; Platelet-derived growth factor receptor 2

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Glu 524) of human PDGFR α (NP_006197.1) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind human PDGF-C (Cat:503294) in a functional ELISA.
2. Measured by its ability to bind mouse PDGF-C (Cat:501764) in a functional ELISA.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g 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

Gln 24

Molecular Mass

The recombinant human PDGFR α /Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 739 amino acids and predicts a molecular mass of 82.9 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rhPDGFR α /Fc is approximately 120-130 kDa due to the 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

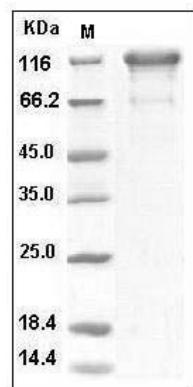
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

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Human PDGFRa / CD140a Protein (Fc Tag) SDS-PAGE