

Recombinant Mouse PDGFR-alpha/CD140a Protein

Catalog No.: RP00718 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	18595	P26618

Tags

C-Fc

Synonyms

Platelet-derived growth factor receptor alpha; PDGF-R-alpha; PDGFR-alpha; Alpha platelet-derived growth factor receptor; CD140 antigen-like family member A; Platelet-derived growth factor alpha receptor; CD140a; PDGFRA

Product Information

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

Calculated MW	Observed MW
83.2 kDa	120-150 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube 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 freeze-thaw cycles.

Contact

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Background

Platelet-derived growth factor receptors (PDGFR) are cell surface tyrosine kinase receptors for members of the platelet-derived growth factor (PDGF) family. The PDGF family consists of PDGF-A, -B, -C and -D, which form either homo- or heterodimers (PDGF-AA, -AB, -BB, -CC, -DD). The four PDGFs are inactive in their monomeric forms. PDGFs bind to the protein tyrosine kinase receptors PDGF receptor-α and -β. These two receptor isoforms dimerize upon binding the PDGF dimer, leading to three possible receptor combinations, namely -αα, αβ, and -ββ. αβ signaling has been linked to a number of proliferative disorders.

Basic Information

Description

Recombinant Mouse PDGFR-alpha/CD140a Protein is produced by Human cells expression system. The target protein is expressed with sequence (Leu25-Glu524) of mouse PDGFR-alpha/CD140a (Accession #P26618) fused with an Fc tag at the C-terminus.

Bio-Activity

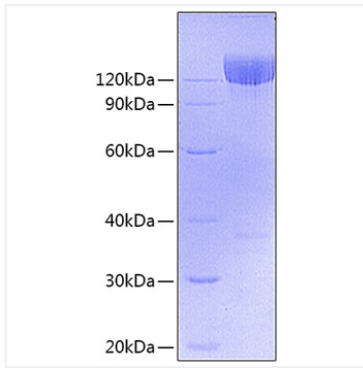
Storage

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



Recombinant Mouse PDGFRA/PDGF R alpha/CD140a Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.