

Recombinant Mouse PDGFR- α /CD140a Protein

Catalog No.: RP00718

Sequence Information

Species	Gene ID
Mouse	18595
Swiss Prot	Tags
P26618	C-Fc

Synonyms

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

Product Information

Source	Purification
HEK293 cells	$\geq 95\%$ as determined by SDS-PAGE.

Calculated MW Observed MW

83.2 kDa 120-150 kDa

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. 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 free-thaw cycles.

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 - $\alpha\alpha$, - $\alpha\beta$, and - $\beta\beta$. PDGF signaling has been linked to a number of proliferative disorders.

Basic Information

Description

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

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

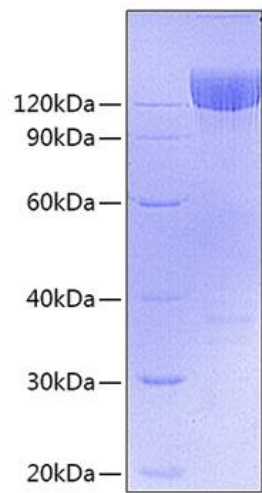
Contact

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Validation Data



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