

Human PDGFR Alpha, His Tag, HEK293

Catalog Number LDG039PHM

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Expression System

HEK293

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4

Molecular weight

The protein has a calculated MW of 62 kDa. The protein migrates as 65-100 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

PDGFR Alpha, short for Platelet-Derived Growth Factor Receptor Alpha, is a transmembrane tyrosine kinase receptor protein encoded by the PDGFRA gene. It plays a crucial role in cell growth, development, and wound healing processes by binding with platelet-derived growth factors (PDGFs). Activation of PDGFR Alpha triggers various intracellular signaling pathways, including the Ras/MAPK pathway and the PI3K/Akt pathway, regulating cell proliferation, survival, and migration. Dysregulation of PDGFR Alpha signaling has been implicated in several diseases, including cancer and fibrotic disorders, making it a potential therapeutic target for drug development.

Uniprot ID

P16234

Synonyms

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 (PDGFR-2)

Sequence Note

Met1-Ala528

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

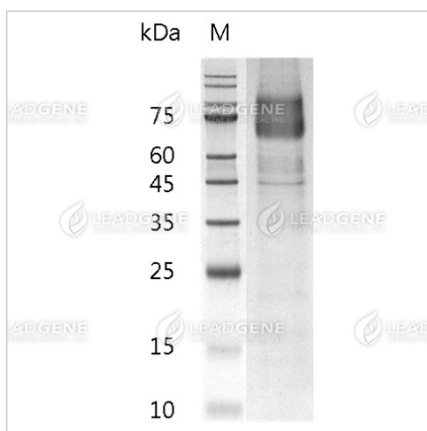
Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image



SDS-PAGE analysis of recombinant human PDGFR alpha.

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