

PDGF R alpha Protein, Cynomolgus (501a.a, HEK293, His)

Cat. No.:	HY-P700809
Synonyms:	PDGFRA; CD140A; PDGFR2; RHEPDGFRA; MGC74795; PDGFR-2
Species:	Cynomolgus
Source:	HEK293
Accession:	Q0PW86 (Q24-E524)
Gene ID:	102138392
Molecular Weight:	70-85 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PDGF R alpha Protein is a tyrosine-protein kinase that serves as a cell-surface receptor for PDGFA, PDGFB, and PDGFC. It plays a crucial role in embryonic development, regulating cell proliferation, survival, and chemotaxis. Its function can either promote or inhibit cell proliferation and migration, depending on the context. Additionally, it plays a significant role in the differentiation of mesenchymal stem cells derived from the bone marrow. Furthermore, PDGF R alpha Protein is essential for normal skeletal development.
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Caution: Product has not been fully validated for medical applications. For research use only.

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