

## PGF Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700878
Synonyms:	Placental growth factor; PIGF; PGF; PGFL; SHGC-10760; D12S1900; PIGF-2
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5VMT8 (A21-R169)
Gene ID:	102134620
Molecular Weight:	25-35 kDa

### PROPERTIES

Biological Activity	Immobilized Cynomolgus PGF, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-PGF Antibody, hFc Tag with the EC <sub>50</sub> of 6.0ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> 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	The PGF Protein is an integral member of the PDGF/VEGF growth factor family, indicating its involvement in crucial cellular signaling pathways. As part of this growth factor family, PGF likely shares structural and functional characteristics with related proteins, implicating its role in promoting cell growth, angiogenesis, and vascular development. The membership in the PDGF/VEGF growth factor family underscores its significance in orchestrating physiological processes essential for tissue development and homeostasis. The study of PGF contributes to our understanding of its specific functions within the context of the growth factor family, providing insights into potential therapeutic applications and its broader impact on cellular processes involved in vascular development and maintenance. Further exploration of PGF's role can deepen our comprehension of its contribution to both normal physiology and pathological conditions.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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