

## PDGF-DD Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P701031
Synonyms:	PDGF-D; SCDGF-B; IEGF; SCDGFB
Species:	Cynomolgus
Source:	HEK293
Accession:	Q9GZP0-1 (R19-R370)
Gene ID:	/
Molecular Weight:	50-65 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 $\mu$ m filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	PDGF-DD protein functions as a crucial growth factor with diverse roles in embryonic development, cell proliferation, migration, survival, and chemotaxis. It serves as a potent mitogen for mesenchymal cells and plays a pivotal role in wound healing processes. Moreover, PDGF-DD is involved in orchestrating events critical for angiogenesis, including macrophage recruitment, increased interstitial pressure, and blood vessel maturation. Its ability to initiate processes leading to mesangial proliferative glomerulonephritis, characterized by monocyte and macrophage influx along with extracellular matrix production, underscores its regulatory impact in pathophysiological conditions. The protein forms homodimers through disulfide linkages and interacts with PDGFRB homodimers, as well as heterodimers formed by PDGFRA and PDGFRB, illustrating its complex engagement in signaling pathways.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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