

## PDGF R beta Protein, Rhesus Macaque (HEK293, Fc)

Cat. No.:	HY-P77128
Synonyms:	Platelet-derived growth factor receptor beta; PDGF-R-beta; PDGFR-1; CD140b; PDGFRB
Species:	Rhesus Macaque
Source:	HEK293
Accession:	F7BTH1 (M1-F530)
Gene ID:	711353
Molecular Weight:	Approximately 83.3 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 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/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	PDGF R beta, a tyrosine-protein kinase, serves as a cell-surface receptor for homodimeric PDGFB and PDGFD, as well as heterodimers formed by PDGFA and PDGFB. This receptor plays a crucial role in the intricate regulation of embryonic development, overseeing processes such as cell proliferation, survival, differentiation, chemotaxis, and migration. Particularly vital in blood vessel development, PDGF R beta facilitates the proliferation, migration, and recruitment of pericytes and smooth muscle cells to endothelial cells, contributing significantly to the formation and maintenance of blood vessels.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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