

## PDGF R beta Protein, Canine (HEK293, His)

Cat. No.:	HY-P700810
Synonyms:	JTK12; PDGF R beta; PDGFR; PDGFR1; PDGFRB; CD140B; PDGFR-2; PDGFR- $\beta$ ; PDGF R $\beta$
Species:	Canine
Source:	HEK293
Accession:	Q6QNF3 (G32-V532)
Gene ID:	442985
Molecular Weight:	70-100 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 $\mu$ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant 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 Protein is essential in embryonic development, regulating cell proliferation, survival, differentiation, chemotaxis, and migration. It plays a pivotal role in blood vessel development by promoting pericyte and smooth muscle cell proliferation, migration, and recruitment to endothelial cells. Additionally, it contributes to vascular smooth muscle cell migration and neointima formation at vascular injury sites.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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