

Recombinant Canine PDGFB Protein (Ser82-Thr190), His-tagged

Cat. No. PDGFB-924C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine PDGFB Protein (NP_001003383.1) (Ser82-Thr190) was produced by Yeast expression system. This protein was expressed with a polyhistidine tag at the N-terminus.
Species	Canine
Source	Yeast
ProteinLength	Ser82-Thr190
Description	Platelet-derived growth factor-B (PDGFB) is necessary for normal cardiovascular development. The administration of PDGFB alone normalized tumor vasculature by increasing periendothelial coverage and vascular functionality. Interestingly, this effect exerted by PDGFB was also observed in the presence of DAPT. So PDGFB is able to improve tumor vascularity and allows the anticancer action of DAPT in the tumor.
Predicted N Terminal	His
Form	Lyophilized from sterile 30 % CAN, 0.1 % TFA. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant canine PDGFB consists of 129 amino acids and predicts a molecular mass of 14.9 kDa.

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Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PDGFB platelet derived growth factor subunit B [Canis lupus familiaris (dog)]
Official Symbol	PDGFB
Synonyms	PDGF-B
Gene ID	442986
mRNA Refseq	NM_001003383
Protein Refseq	NP_001003383
UniProt ID	Q6Q7I7

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