Recombinant Canine PDGFA Protein (Ser87-Arg196), His-tagged

Cat. No. PDGFA-923C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine PDGFA Protein (NP_001177101.1) (Ser87-Arg196) was produced by Yeast expression system. This protein was expressed with a polyhistidine tag at the N-terminus.
Species	Canine
Source	Yeast
ProteinLength	Ser87-Arg196
Description	Platelet-derived growth factor alpha (PDGFA) is frequently upregulated in various cancers and thought to function as a key player in the development and progression of tumor growth by regulating aspects of cell proliferation, angiogenesis and metastasis.The human platelet-derived growth factor A chain gene (PDGFA) on chromosome 7p22 encodes an important mitogen. Within PDGFA lies a complex minisatellite structure that results in partial duplications of exon 4 and the IVS4 splice donor site.
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 PDGFA consists of 125 amino acids and predicts a

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	molecular mass of 14.5 kDa.
Purity	> 95 % 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℃ 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	PDGFA platelet derived growth factor subunit A [Canis lupus familiaris (dog)]
Official Symbol	PDGFA
Gene ID	491597
mRNA Refseq	NM_001190172
Protein Refseq	NP_001177101
UniProt ID	F1PXM1

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