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Datasheet for ABIN7504506
PDGFA Protein (AA 87-196) (His tag)

Overview

Quantity:	100 µg
Target:	PDGFA
Protein Characteristics:	AA 87-196
Origin:	Dog
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFA protein is labelled with His tag.

Product Details

Purpose:	Canine PDGFA Protein
Sequence:	Ser87-Arg196
Characteristics:	Recombinant Canine PDGFA Protein is expressed from Yeast with His tag at the N-terminus. It contains Ser87-Arg196.
Purity:	> 90 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	PDGFA
Alternative Name:	PDGFA (PDGFA Products)

Target Details

Background: Platelet-derived growth factors (PDGFs) may play an important role in the development of atherosclerosis acting as chemoattractants and mitogens for vascular smooth muscle cells and macrophages. PDGFA, the most known member of PDGF family, plays a crucial role in occurrence and progression of different tumors.

Molecular Weight: 13.62 kDa. Due to glycosylation, the protein migrates to 15-20 kDa and 35-45 kDa based on Tris-Bis PAGE result.

UniProt: [A0A8C0M6T8](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Smooth Muscle Cell Migration](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 4 mM HCL.

Buffer: Lyophilized from 0.22µm filtered solution in 4 mM HCL. Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months