

Datasheet for ABIN1001112
PDGFA Protein (AA 87-196) (His tag)



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Overview

Quantity:	10 µg
Target:	PDGFA
Protein Characteristics:	AA 87-196
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFA protein is labelled with His tag.
Application:	Western Blotting (WB), Control (Ct)

Product Details

Purpose:	Platelet Derived Growth Factor A (PDGF-A) (Western Blot Control)
Sequence:	SIEEAVPAVC KTRTVIYEIP RSQVDPTSAN FLIWPPCVEV SIEEAVPAVC KTRTVIYEIP RSQVDPTSAN FLIWPPCVEV VQVRLEEHL E CACATTSLNP DYREEDTDVR
Characteristics:	recombinant PDGF-A comprises a 110 amino acid fragment (87-196) corresponding to the mature PDGF-A short chain protein and is expressed in E. coli with an amino-terminal hexahistidine tag.
Purity:	> 95 %

Target Details

Target:	PDGFA
Alternative Name:	Platelet Derived Growth Factor A (PDGFA Products)

Target Details

Background: The term 'PDGF' refers to a family of disulphide bondlinked dimeric isoforms that act as autocrine and paracrine growth factors and are produced by a variety of cell types other than platelets. They act as potent mitogens for almost all mesenchymally-derived cells. Aberrant expression is involved in certain cancers, fibroproliferative disorders and atherosclerosis. The protein also contributes to wound healing and neural regeneration. There are four members of the PDGF family - PDGF A, PDGF B, PDGF C and PDGF D. Two distinct types of PDGF-A exist - a short form that is soluble and a long form that is retained by the extracellular matrix.,Platelet derived growth factor A, PDGF1, platelet derived growth factor alpha.

Molecular Weight: 17.02 kDa

UniProt: [P04085](#)

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

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied in 1x Laemmli Buffer (25 mM Tris-HCl pH 6.8, 50 mM DTT, 1 % (w/v) SDS, 0.1 % (w/v) Bromophenol Blue, 2.5 % Glycerol).

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20 °C