

[Go to Product page](#)

Datasheet for ABIN7505479

PDGFB Protein (AA 74-182) (His tag)

Overview

Quantity:	100 µg
Target:	PDGFB
Protein Characteristics:	AA 74-182
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFB protein is labelled with His tag.

Product Details

Sequence:	Ser74-Thr182
Characteristics:	A DNA sequence encoding the Rat PDGF-B (Q05028-1) (Ser74-Thr182) was expressed with a polyhistidine tag at the N-terminus.
Purity:	>85 % as determined by reducing SDS-PAGE.

Target Details

Target:	PDGFB
Alternative Name:	PDGF-B (PDGFB Products)
Background:	Background: The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha

Target Details

polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7, at sites where this gene and that for COL1A1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

Synonym: Becaplermin,PDGF 2,PDGF B chain,PDGF subunit B,PDGF-2,PDGF2,Pdgfb,PDGFB,Platelet derived growth factor 2,Platelet-derived growth factor B chain,Platelet-derived growth factor beta polypeptide,Platelet-derived growth factor subunit B,Proto-oncogene c-Sis,SIS,SSV

Molecular Weight:	12.2 kDa
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Carbohydrate Metabolic Process , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4., 5 % trehalose, 5 % mannitol, 0.01 % tween-80.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months