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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PDGFB (Human) Recombinant Protein

Catalog Number: P9009

Regulation Status: For research use only (RUO)

Product Description: Human PDGFB (P01127) recombinant protein expressed in *Escherichia coli*.

Sequence:

SLGSLTIAEPAMIAECKTRTEVFEISRRLIDRTNANFLV
WPPCVEVQRCSGCCNNRNVQCRPTQVQLRPVQVRKI
EIVRKKPIFKKATVTLEDHLACKCETVAAARPVT.

Host: *Escherichia coli*

Theoretical MW (kDa): 24.3

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Lyophilized

Preparation Method: *Escherichia coli* expression system

Purity: > 95% by HPLC and SDS PAGE

Activity: Determined by the dose-dependent stimulation of the proliferation of Balb/c 3T3 cells. The expected ED₅₀ for this effect is 1.0-3.0 ng/mL.

Storage Buffer: Lyophilized from PBS, pH7.4.

Storage Instruction: Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Entrez GeneID: 5155

Gene Symbol: PDGFB

Gene Alias: FLJ12858, PDGF2, SIS, SSV, c-sis

Gene Summary: 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 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. [provided by RefSeq]