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Datasheet

PDGFB (Human) Recombinant Protein

Catalog Number: P4572

Regulation Status: For research use only (RUO)

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

Sequence:
MSLGSLTIAEPAMIAECKTRTEVFEISRRLIDRTNANFL
VWPPCVEVQRCSGCCNNRNVQCRPTQVQLRPVQVR
KIEIVRKKPIFKKATVTLEDHLACKCETVAAARPVT

Host: Escherichia coli

Theoretical MW (kDa): 24.3

Applications: Func, SDS-PAGE
(See our web site product page for detailed applications information)

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

Endotoxin Level: < 0.1 EU/ug

Activity: The activity is determined by the dose-dependent proliferation of 3T3 indicator cells. The expected ED_{50} for this effect is 1.5-2.2 ng/mL.

Storage Buffer: Lyophilized with 10 mM acetic acid.

Storage Instruction: Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C. Aliquot to avoid repeated freezing and thawing.

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]