

Product datasheet for **AR51827PU-S**

PDGFB (82-190, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PDGFB (82-190, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SGLVPRGSH MCKTRTEVFE ISRRLIDRTN ANFLVWPPCV EVQRCSGCCN NRNVQCRPTQ VQLRPVQVRK IEIVRKKPIF KKATVTLEDH LACKCETVAA ARPVTRSPGG SQEQRKATPQ
Tag:	His-tag
Predicted MW:	14.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffer saline (pH 7.4) containing 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PDGFB, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_002599
Locus ID:	5155
UniProt ID:	P01127
Cytogenetics:	22q13.1
Synonyms:	Platelet-derived growth factor subunit B, PDGF beta, PDGF B, PDGF-B, Platelet-derived growth factor beta, PDGF subunit B, Platelet-derived growth factor B chain, PDGF2, PDGF-2, c-Sis, SIS, Becaplermin



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Summary:

This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit B, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit A. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 17, at sites where this gene and that for collagen type 1, alpha 1 are located, are associated with dermatofibrosarcoma protuberans, a rare skin tumor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

Protein Families:

Druggable Genome

Protein Pathways:

Cytokine-cytokine receptor interaction, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma

Product images: