PDGFA (Human) Recombinant Protein

Catalog # P9005 Size 2 x 10 ug

Specification

Product Description	Human PDGFA (P04085, 87 a.a. - 196 a.a.) partial-length recombinant protein with His tag at N-Ter minus expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	17
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS PAGE
Storage Buffer	25mM Na-Acetate, pH-4.8, 1mM EDTA and 50% glycerol.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — PDGFA

Entrez GeneID	5154
Protein Accession#	P04085
Gene Name	PDGFA
Gene Alias	PDGF-A, PDGF1
Gene Description	platelet-derived growth factor alpha polypeptide

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Omim ID	173430
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the platelet-derived growth factor family. The fou r members of this family are mitogenic factors for cells of mesenchymal origin and are characteriz ed by a motif of eight cysteines. This gene product can exist either as a homodimer or as a hetero dimer with the platelet-derived growth factor beta polypeptide, where the dimers are connected by disulfide bonds. Studies using knockout mice have shown cellular defects in oligodendrocytes, alv eolar smooth muscle cells, and Leydig cells in the testis; knockout mice die either as embryos or shortly after birth. Two splice variants have been identified for this gene. [provided by RefSeq
Other Designations	PDGF A-chain|platelet-derived growth factor alpha|platelet-derived growth factor alpha chain|plate let-derived growth factor alpha isoform 2 preproprotein

Pathway

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

Disease

- Asthma
- Coronary Artery Disease
- Genetic Predisposition to Disease

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