PDGFD (Human) Recombinant Protein

Catalog # P9016 Size 20 ug

Specification

Product Description	Human PDGFD (Q9GZP0, 250 a.a. - 370 a.a.) partial-length recombinant protein with His tag at N-Terminus expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKL ANVVFFPRCLLVQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALV DIQLDHHERCDCICSSRPPR.
Host	Escherichia coli
Theoretical MW (kDa)	16.6
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS PAGE
Storage Buffer	20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Applications

- SDS-PAGE

Gene Info — PDGFD

Entrez GeneID	80310
Protein Accession#	Q9GZP0

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Gene Name	PDGFD
Gene Alias	IEGF, MGC26867, MSTP036, SCDGF-B, SCDGFB
Gene Description	platelet derived growth factor D
Omim ID	609673
Gene Ontology	Hyperlink
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 core motif of eight cysteines, seven of which are found in this factor. This gene product only forms homodimers and, therefore, does not dimerize with the other three family members. It differs from alpha and beta members of this family in having an unusual N-terminal domain, the CUB domain. Two splice variants have been identified for this gene. [provided by RefSeq
Other Designations	iris-expressed growth factor|spinal cord derived growth factor B|spinal cord-derived growth factor-B

Pathway

- Cytokine-cytokine receptor interaction
- Focal adhesion
- Gap junction
- Melanoma
- Prostate cancer
- Regulation of actin cytoskeleton

Disease

- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Diseases

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- Hypertension
- Stroke
- Tobacco Use Disorder

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