

Active Recombinant Human PDGFD Protein

Cat. No. PDGFD-097H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | The mature recombinant human PDGF-DD monomer protein containing 121aa (Ser250-Arg370) without tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 250-370 a.a. |
| Description | 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. |
| Bio-activity | Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED50 for this effect is 15-75 ng/mL |
| Molecular Mass | 14 kDa |
| Product-Related Proteins | 250-370 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|--|
| Endotoxin | < 0.1 EU/μg of the protein as determined by the LAL method |
| Purity | > 95 % as determined by SDS-PAGE |
| Storage | At -80 centigrade. Avoid repeated freeze-thaw cycles. |
| Storage Buffer | PBS |

GENE INFORMATION

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|------------------------|---|
| Gene Name | PDGFD platelet derived growth factor D [Homo sapiens (human)] |
| Official Symbol | PDGFD |
| Synonyms | PDGFD; platelet derived growth factor D; IEGF; SCDGFB; MSTP036; SCDGF-B; platelet-derived growth factor D; Names; PDGF-D; iris-expressed growth factor; spinal cord-derived growth factor B |
| Gene ID | 80310 |
| mRNA Refseq | NM_025208 |
| Protein Refseq | NP_079484 |
| MIM | 609673 |
| UniProt ID | Q9GZP0 |

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