

Active Recombinant Human PDGFD Protein

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

SPECIFICATION

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

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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

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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