

Active GMP Recombinant Human PDGFB Protein

Cat. No. PDGFB-125HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFB, Ser82-Thr190, was produced in E. coli using non-animal reagents in an animal-free facility under cGMP guidelines.
Species	Human
Source	E.coli
ProteinLength	82-190 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.
Bio-activity	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. Raines, E.W. et al. (1985) Methods Enzymol. 109:749.
Molecular Mass	Predicted Molecular Mass: 12.3 (monomer) kDa
N-terminal Sequence Analysis	Ser-Leu-Gly-Ser-Leu-Thr-Ile-Ala-Glu-Pro
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE with silver staining, under reducing conditions.
Storage	Avoid repeated freeze-thaw cycles. 12 months, -20 to -70 centigrade as supplied.

 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

1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in 4 mM HCl.

Quality Statement Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name PDGFB platelet-derived growth factor beta polypeptide [Homo sapiens]

Official Symbol PDGFB

Synonyms PDGFB; platelet-derived growth factor beta polypeptide; becaplermin; oncogene SIS; SSV; PDGF-2; PDGF, B chain; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor 2; SIS; PDGF2; c-sis

Gene ID 5155

mRNA Refseq NM_002608

Protein Refseq NP_002599

MIM 190040

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UniProt ID

P01127

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