

## Platelet Derived Growth Factor-CC Human Recombinant

<b>Item Number</b>	rAP-2423
<b>Synonyms</b>	Platelet Derived Growth Factor C, Spinal Cord-Derived Growth Factor, FALLOTEIN, PDGF-C, VEGF-E, SCDGF, Secretory Growth Factor-Like Protein, Platelet-Derived Growth Factor C, PDGFC.
<b>Description</b>	PDGF-CC Human Recombinant (235-345) produced in E.Coli is a disulfide-linked homodimer containing 2x118 amino acids and having a total molecular mass of 26.8kDa. The PDGF-CC is fused to a 7 amino acid His tag [M-HHHHHH] at N-terminal and purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	Q9NRA1
<b>Amino Acid Sequence</b>	MHHHHHHVVD LNLLTEEVRL YSCTPRNFSV SIREELKRTD TIFWPGCLLV KRCGGNCACC LHNCNEC-QCV PSKVTKKYHE VLQLRPKTGV RGLHKSLTDV ALEHHEECDC VCRGSTGG.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized PDGF-CC although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PDGF-CC should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	Lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA. Greater than 97.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized PDGF-CC in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED50, as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 350ng/ml.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**