

Platelet Derived Growth Factor-CC Human Recombinant

Item Number	rAP-2423
Synonyms	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.
Description	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.
Uniprot Accession Number	Q9NRA1
Amino Acid Sequence	MHHHHHHVVD LNLLTEEVRL YSCTPRNFSV SIREELKRTD TIFWPGCLLV KRCGGNCACC LHNCNEC-QCV PSKVTKKYHE VLQLRPKTGV RGLHKSLTDV ALEHHEECDC VCRGSTGG.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	Lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized PDGF-CC in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ , as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 350ng/ml.
Shipping Format and Condition	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 ender users! This product is sold for **Research Use Only**