9051 Mira Mesa Blvd, #910094
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PDGF CC Human

Platelet Derived Growth Factor-CC Human Recombinant
GRF0311

Product Overview

Name	PDGF CC Human
Description	
Platelet Derived Growth Factor-CC Human Recombinant	
Accession (Primary)	Q9NRA1
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.	
Introduction	
Platelet Derived Growth Factor-CC (PDGF-CC) belongs to the PGDF family of growth factors. PDGF-CC binds with high-affinity to PDGF R-a and activates PDGF R-ab heterodimers. During development, PDGF-CC is involved in ductal morphogenesis, cardiovascular smooth muscle cell proliferation; also PDGF-CC is an angiogenic factor. Furthermore, PDGF-CC is expressed in numerous tumors and tumor cell lines, and may be linked with tumorigenesis.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.	
Stability	
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.	
Purity	
Greater than 97.0% as determined by SDS-PAGE.	
Amino acid sequence	
MHHHHHHVVD LNLLTEEVRL YSCTPRNFSV SIREELKRTD TIFWPGCLLV KRCGGNCACC LHNCNECQCV PSKVTKKYHE VLQLRPKTGV RGLHKSLTDV ALEHHEECDC VCRGSTGG.	
Biological Activity	

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The ED 50 , as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 350ng/ml.

Solubility

It is recommended to reconstitute the lyophilized PDGF-CC in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

PDGF CC Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NRA1)