

Recombinant Murine PDGF-AA

CATALOG #:	4483-10	10 µg
	4483-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	> 97% by SDS-PAGE and RP-HPLC analysis Endotoxin level is < 0.01 ng per µg of rm-PDGF-AA.	
MOL. WEIGHT:	28.9 kDa	
FORM:	Lyophilized with no additives.	

RECONSTITUTION:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water to a concentration of 0.1-0.5 mg/ml, which can be further diluted into other aqueous solutions.

STORAGE CONDITIONS:

The lyophilized rm-PDGF-AA is very stable at -20 °C. Upon reconstitution the product should be aliquoted and stored at -20 °C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

DESCRIPTION:

Recombinant Mouse Platelet Derived Growth Factor-AA is a disulfide linked dimer comprised of 2 polypeptide chains of 126 amino acids each, with a dimeric molecular weight of 28.9 kDa. Belonging to a family of PDGF's including PDGF-AA, PDGF-BB and PDGF-AB, they play an important role as a mitogen for a number of cell types. Recombinant Mouse PDGF-AA produced in E.Coli is a non-glycosylated homodimer.

BIOLOGICAL ACTIVITY:

The activity is determined by the dose-dependent proliferation of Balb/c 3T3 cells and is typically 8 -10 ng/ml.

AA Sequence:

MSIEEAVPAV CKTRTVIYEI PRSQVDPTSA NFLIWPPCVE VKRCTGCCNT SSVKQCPSRV
HHRSVKVAKV EYVRKKPKLK EVQVRLEEHL ECACATSNLN PDHREEETGR RRESGKNRKR
KRLKPT

FOR RESEARCH USE ONLY. Not to be used in humans

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