

Mouse PDGF AA Recombinant Protein



RPPB0834

Product Information Protein Information

Product SKU:

RPPB0834

Accession:

P20033

Host:

Escherichia Coli.

Protein description:

PDGF-AA Mouse Recombinant is a disulfide linked homodimeric, non-glycosylated, polypeptide chain containing 2 x 126 amino acids and having a total molecular mass of 28.9 kDa. PDGF-AA is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Glioma-derived growth factor, GDGF, Osteosarcoma-derived Growth Factor, ODFG, PDGF-AA, PDGF-1.

Formulation:

The protein was lyophilized with no additives.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized PDGF-AA in sterile 18MΩ-cm H₂O at a concentration ranging between 0.1-0.5mg per 1ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized PDGF-AA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PDGF-AA 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.

Amino Acid Sequence:

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

Biological Activity:

Established by the dose-dependent stimulation of Balb/c 3T3 cells proliferation. The expected ED₅₀ for this effect is 8-10 ng/ml corresponding to a specific activity of 100,000-125,000IU/mg.