

Human PDGF AA Recombinant Protein



RPPB0832

Product Information Protein Information

Product SKU:

RPPB0832

Accession:

P04085

Host:

Pichia Pastoris.

Protein description:

PDGF-AA Human Recombinant produced in Yeast is a homodimeric, glycosylated, polypeptide chain containing 2 x 110 amino acids and having a total molecular mass of 34 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 20mM sodium phosphate buffer.

Purity:

Greater than 98.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized PDGF-AA in sterile 18MΩ-cm H₂O not less than 100µg/ml, 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.

Biological Activity:

The ED₅₀ was found to be 1ng/ml corresponding to a Specific Activity of 1,000,000IU/mg calculated by the ability to stimulate the proliferation of mouse 3T3 fibroblasts (PNAS 94, 10205, 1997. Biochemistry, 1996, 35, 12077).