

Product: Platelet Derived Growth Factor-AB, Human, Recombinant
Catalog #: 11-PDGF-ABH
Amount: 5 µg

DESCRIPTION: Recombinant Human Platelet Derived Growth Factor-AB (rHuPDGF-AB)
rHuPDGF-AB is a heterodimeric, non-glycosylated, polypeptide chain containing 234 amino acids consisting of 13.3kDa alpha-chain and 12.2 beta-chain having a total molecular mass of 25.5kDa.
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ser-Ile-Glu-Glu-alpha chain and Met-Ser-Leu-Gly-Ser-beta chain

SOURCE: *E.Coli* Expression System

PURITY: Greater than 97.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuPDGF-AB

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280
2. Analysis by RP-HPLC, using a calibrated solution of human PDGF-AB as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles.

BIOLOGICAL ACTIVITY: rHuPDGF-AB is fully biologically active when compared to standards
The ED50, calculated by the dose-dependant proliferation of murine BALB/c 3T3 indicator cells (measured by ³H-thymidine uptake) is < 1 ng/ml, corresponding to a Specific Activity of 1 MIU/mg

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