

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

DESCRIPTION: Recombinant Human Platelet Derived Growth Factor-BB (rHuPDGF-BB)
rHuPDGF-BB is a homodimeric, non-glycosylated, polypeptide chain containing 109 amino acids and having a molecular mass of 24558 Dalton
The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Leu-Gly-Ser-Leu

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-BB

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 nm using the absorbency value of 0.55 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences
2. Analysis by RP-HPLC, using a calibrated solution of human PDGF-BB as a Reference Standard.

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

BIOLOGICAL ACTIVITY: rHuPDGF-BB 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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