

## Human PDGF-BBy (Yeast)

Synonyms: Glioma-derived growth factor, GDGF, Osteosarcoma-derived Growth Factor, ODGF, SIS, SSV, PDGF2, c-sis, FLJ12858, PDGF-BB, PDGF B-chain, Platelet-derived growth factor beta polypeptide, Becaplermin.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order #	Lot #	Expiry Date
50 µg	1802.953.050		

Please enquire for bulk quantities and other vial sizes

### Description

Platelet-Derived Growth Factor BB Human Recombinant is a glycosylated homodimer produced in *Saccharomyces cerevisiae*, containing 2x10<sup>9</sup> amino acids and having a molecular mass of 32kDa.

- **Biological Activity** ≥ 1 x 10<sup>6</sup> IU/mg
- **Source** Yeast
- **Purity** ≥ 98 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The PDGF-BB was lyophilized from 0.2 µm filtered solution in 20mM sodium phosphate in absence of any carrier protein\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

The ED<sub>50</sub>, as measured by its ability to stimulate proliferation of mouse 3T3 fibroblasts is typically 1 ng/ml, corresponding to a Specific Activity of 1,000,000IU/mg.

### Reconstitution

It is recommended to reconstitute the lyophilized Platelet-derived Growth Factor-BB in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized Platelet-derived Growth Factor BB although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PDGF BB should be stored at 4°C between 2-7 days and for future use below -18°C. **Please avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Leu-Gly-Ser-Leu.

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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