



CELLKINES

Recombinant Human Platelet Derived Growth Factor-BB Homodimer (rhPDGF-B)

ZMC Catalog #:	Unit Size:	Fill Volume:	Lot Number:
0801100	10 µg	0.1 ml	300361
0801101	100 µg	1.0 ml	Protein Concentration: 0.13 mg/ml Endotoxin: 0.025 ng/ml

PRODUCT CHARACTERISTICS

Platelet Derived Growth Factor is a highly conserved dimeric glycoprotein consisting of A and/or B chains linked by disulfide bridges. A small percentage of PDGF isolated from human platelets is the BB form. In addition, the v-cis gene product of the simian sarcoma virus is essentially identical to the PDGF- B chain. PDGF-BB is useful in the study of PDGF receptors, and has bioactivity equivalent to that of naturally-derived PDGF.

PURITY

One band on non-reducing SDS-PAGE at 29,000-30,000 MW. One broad peak on HPLC.

ACTIVITY

rhPDGF-B produced a half-maximal response at a concentration of 5-30 ng/ml in a mitogenic assay which measures the incorporation of ³H-thymidine by human foreskin fibroblast cells.

RECOMMENDED USAGE

A dose response assay should be performed to determine the optimal concentration for use in each relevant application.

SOURCE

Recombinant DNA modified yeast (*S. cerevisiae*). Purified using reverse-phase HPLC.

STORAGE AND STABILITY

Product is stable when stored at -20°C. Store in working aliquots at -20°C to avoid repeated freeze-thaw cycles.

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Rev.: 04/00

All products are for Research Use Only and not for *in vitro* Diagnostic Use

This Package Insert is provided for product evaluation purposes only and is not intended to be used in place of the Package Insert shipped with the product.