

rhPDGF-BB

Recombinant Human Platelet Derived
Growth Factor -BB
Host Cell: *E.coli*

Platelet Derived Growth Factor (PDGF)-BB is homo-dimer of PDGF-B was purified from platelet-derived component activated proliferative response of vascular smooth muscle^{1,2}. PDGF-BB is able to activate proliferation of mesenchymal stem cells, fibroblasts, and epithelial cells^{1,2}. PDGF-BB repairs defects of bone and alveolar bone³. On the other hand, it was reported that PDGF-B gene was resemble oncogene v-sis⁴.

Specification

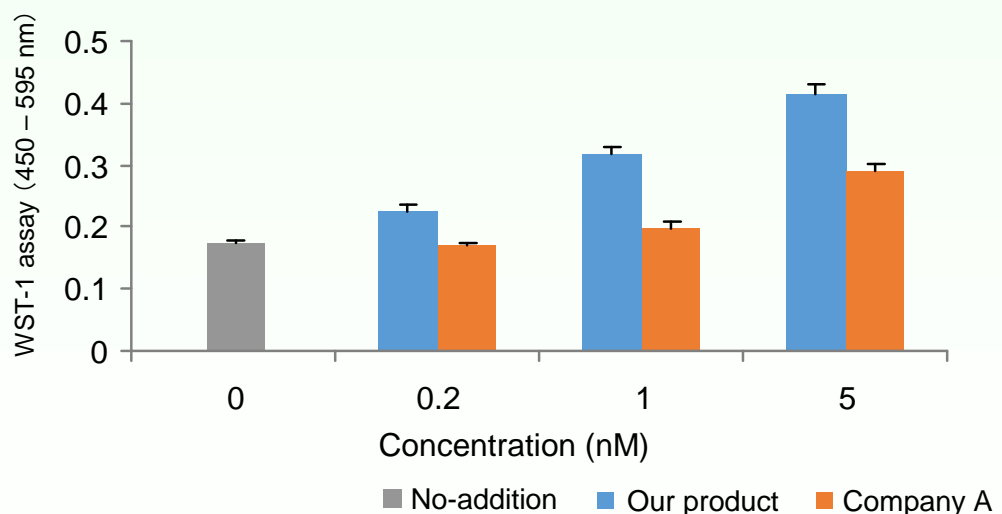
rhPDGF-BB

Origin	: Human
Molecular weight	: 29 k (His-tag fusion protein, dimer)
Concentration	: ≥ 1 mg/mL (20mM Sodium Acetate+ 0.1 M NaCl)
Purity	: $\geq 95\%$ (SDS-PAGE)
Endotoxin level	: < 0.1 EU/ μ g
Storage	: Frozen, below -70°C

* Avoid freeze and thaw cycles.

* Every manufacturing lot is checked for their quality in terms of the above items.

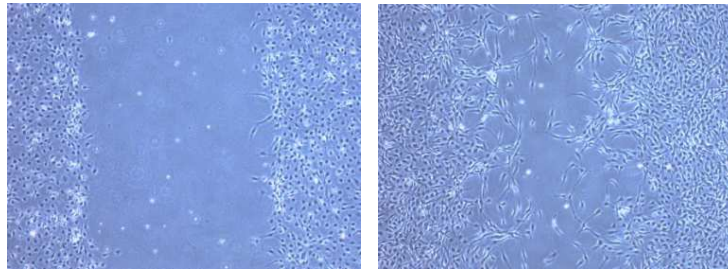
Proliferative response of Balbc/3T3 cells



5×10^3 Balbc/3T3 cells were seeded in 96-well plate and cultured with non-serum medium containing to rhPDGF-BB (0.2 or 1 or 5 nM) for 72 hours. Proliferative response was detected by WST-1 solution.



Wound healing test of C3H10T1/2 cells



None

rhPDGF-BB (1 nM)

5x10⁴ C3H10T1/2 cells were seeded in 6-well plate and cultured with non-serum medium containing 1 nM rhPDGF-BB for 24 hours.

Product	Catalog Number	Package
rhPDGF-BB	NIB 47096000	10 µg

- ❖ For bulk inquiry, please contact us below.
- ❖ For research purpose only. Not for therapeutic or diagnostic use.

Related products

Product	Catalog Number	Package
rhEGF	NIB 47061000	200 µg
rhFGF1	NIB 47119900	50 µg
rhFGF2	NIB 47107000	50 µg
rhsRANKL	NIB 47187000	20 µg
rhBMP-2	PMC-BMP2-5	5 µg
rhBMP-4	PMC-BMP4-5	5 µg

References

1. Antoniades HN, *et al.*, (1979): *Proc. Natl. Acad. Sci.* 76, 1809-1813.
2. Oefner C, *et al.*, (1992): *EMBO.J.* 11, 3921-3926.
3. Veevers-Lowe J, *et al.*, (2011): *J Cell. Sci.* 124, 1288-1300.
4. Dirks RP, *et al.*, (1995): *Nucleic Acid Res.* 23, 2815-2822.



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