

# rhPDGF-BB

## Recombinant Human Platelet-Derived Growth Factor-BB

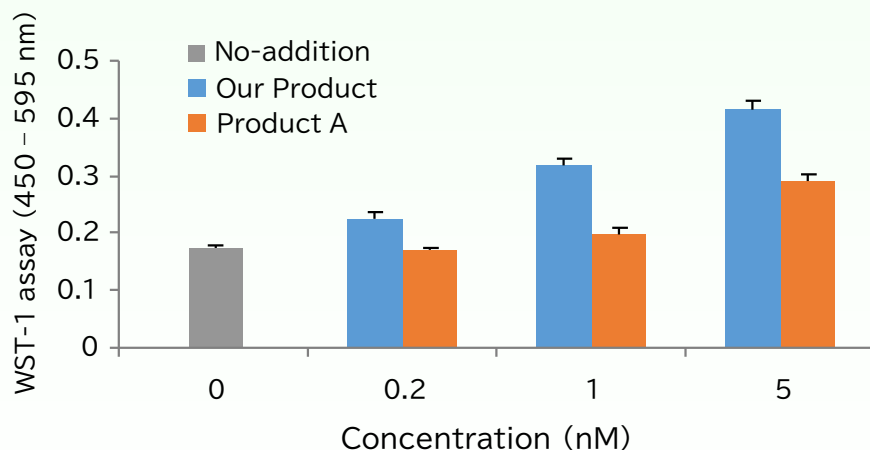
Platelet-Derived Growth Factor (PDGF)-BB is homo-dimer of PDGF-B was purified from platelet-derived component activated proliferative response of vascular smooth muscle. PDGF-BB is able to activate proliferation of mesenchymal stem cells, fibroblasts, and epithelial cells. PDGF-BB repairs defects of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

### Specification

#### Recombinant Human PDGF-BB

Host	: <i>E.coli</i>
Origin	: Human
Molecular mass	: 29 kDa (His-tag fusion protein, dimer)
Concentration	: $\geq 1$ mg/mL (20mM Sodium Acetate containing 0.1 M NaCl)
Purity	: $\geq 95\%$ (SDS-PAGE)
Endotoxin level	: $\leq 0.1$ EU/ $\mu$ g
Storage	: Frozen, below $-70^{\circ}\text{C}$
* Avoid freeze and thaw cycles.	
* Every manufacturing lot is checked for their quality in terms of the above items.	

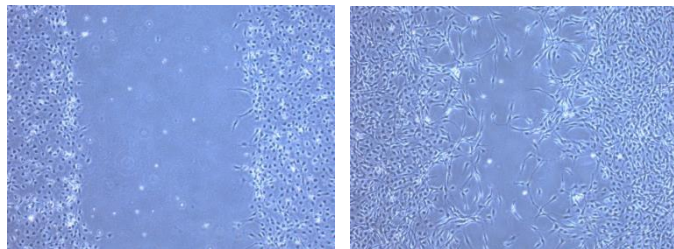
#### Proliferative response of Balb/c3T3 cells



$5 \times 10^3$  Balb/c3T3 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.

# Support For Cell Culture OYC research reagents

## Wound healing assay using C3H10T1/2 cells



None

rhPDGF-BB (1 nM)

5x10<sup>4</sup> C3H10T1/2 cells were seeded in 6-well plate and cultured with serum-free medium containing 1 nM rhPDGF-BB for 24 hours.

Item	Catalog number	Packing size
Recombinant Human PDGF-BB	47083000	20 µg

\* For bulk inquiry, please contact us below.

\* For research purpose only. Not for therapeutic or diagnostic use.

## Related products

Item	Catalog number	Packing size
Recombinant Human EGF	47061000	200 µg
Recombinant Human FGF1	47078000	100 µg
Recombinant Human FGF2	47079000	100 µg
Recombinant Human sRANKL	47187000	20 µg
Recombinant Human BMP-2	47304000	20 µg
W9 peptide	47010900	2 mg

## 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.

Please contact the one that best suits your need.

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