

# rhFGF1

## Recombinant Human Fibroblast Growth Factor-1

Fibroblast Growth Factor-1 (FGF1), also designated as aFGF, is distributed in broad tissues. FGF1 regulates cell proliferation function and is frequently used in cell culture researches. FGF1 is also recognized as angiogenesis and a neurotrophic factors in differentiation researches.

### Specifications

#### Recombinant human FGF1

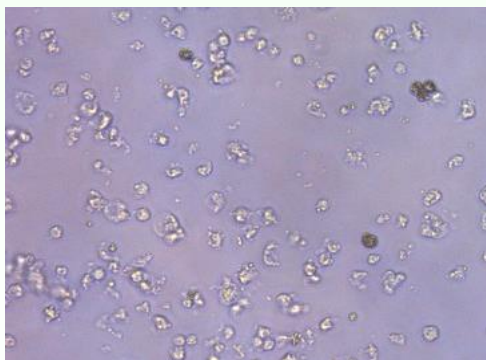
Host	: <i>E.coli</i>
Origin	: Human
Molecular Weight	: 16 kDa
Concentration	: 1 mg/mL (PBS containing 1 M NaCl and 1 mM EDTA)
Purity	: > 95% (SDS-PAGE)
Endotoxin Level	: < 0.1 EU/ $\mu$ g
Storage	: Frozen, below -70°C

\*For bulk inquiry, please contact the sales office at your region.

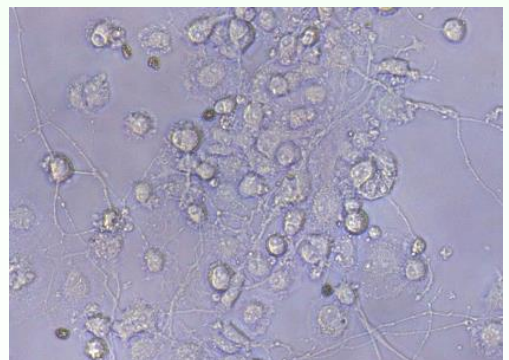
\*For research purpose only. Not for therapeutic or diagnostic use.

#### Differentiation of PC-12 cells to neural cells by FGF1

with Heparin

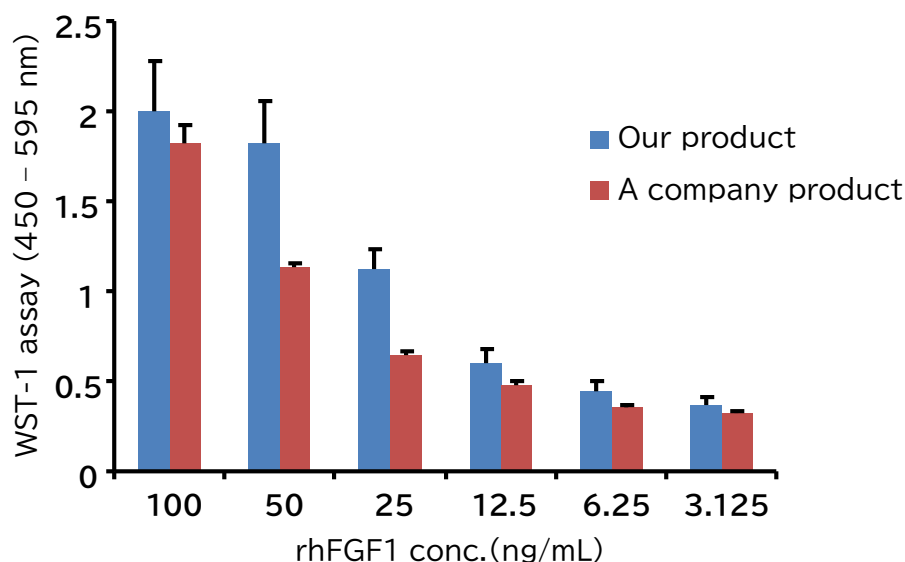


with FGF1 + Heparin



PC-12 cells ( $1 \times 10^4$  cells/well) were cultured on collagen coated plate. After 24 hours, medium was replaced including 100 ng/mL of rhFGF1 and 10  $\mu$ g/mL of heparin. To differentiate into nerve cells, cells were cultured for more 10 days with every 2-3 days of medium changes.

# Support For Cell Culture OYC Research Reagents



C2C12 cells ( $2 \times 10^3$  cells/well) were cultured in 96-well plate. After 24 hours, serum free medium including each conc. of FGF1, 10  $\mu$ g/mL of heparin and  $10^{-5}$  M of dexamethasone was changed and cultured in 3 days. Cells proliferation was measured by WST-1.

Item	Catalog number	Packing size
Recombinant Human FGF1 (aFGF)	47078000	100 $\mu$ g

\*For bulk inquiry, please contact us below.

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## Related products

Item	Catalog number	Packing size
Recombinant Human FGF2	47079000	100 $\mu$ g

## References

1. Dionne CA, *et al.*, (1990): *EMBO J.* 9, 2685-2692
2. Renaud F, *et al.*, (1995): *J Biol Chem.* 271, 2801-2811
3. Hayashi H, *et al.*, (2001): *J Cell Sci.* 114, 1387-1395
4. Zakrzewska M, *et al.*, (2009): *J Biol Chem.* 284, 25388-25403.

Please contact the one that best suits your need.

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