

# rhFGF1

Recombinant Human Fibroblast Growth Factor 1  
Host Cell: *E.coli*

**F**ibroblast Growth Factor-1 is also called FGF1, acid FGF and aFGF. It is isolated from many tissues. FGF1 has a wide variety of functions, including cell growth, induces neurogenesis, angiogenesis and etc. This product is generated by a unique manufacturing technology of recombinant protein.

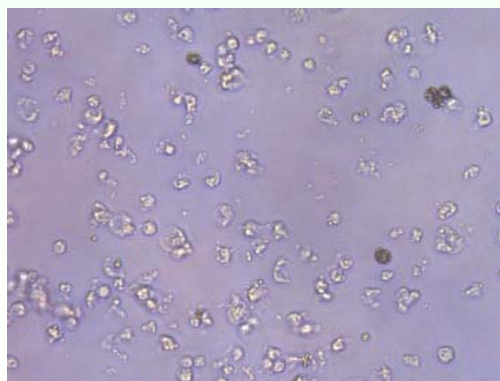
## specification

### Recombinant Human FGF1

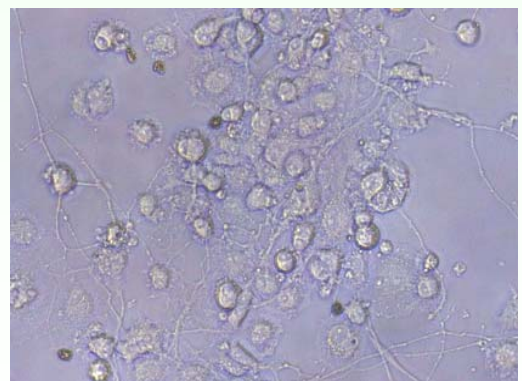
Origin	: Human
Molecular weight	: $16 \times 10^3$
Concentration	: 1 mg/mL (PBS+1M NaCl 1mM EDTA)
Purity	: > 95% (SDS-PAGE)
Endotoxin level	: < 0.1 EU/ mg
Storage	: Frozen, below $-70^{\circ}\text{C}$ ※Avoid repeated freeze-thaw cycles.

### Differentiation of neuron cells by rhFGF1 in PC-12 cell

Heparin only



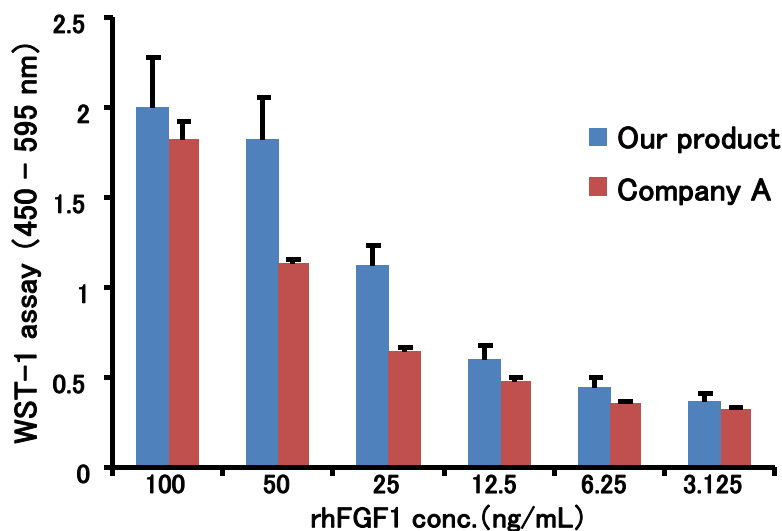
Our product+Heparin



24hrs after seeding of  $1 \times 10^4$  PC-12 cells in collagen plate, culture medium was changed to non-serum medium containing hFGF1(100 ng/mL) and heparin(10 mg/mL). After 10 days culture, the cells were observed by microscopy.



## Support For Cell Culture OYC-Bio laboratory research reagents



24hrs after from seeding of  $2 \times 10^3$  cells C2C12 cells, culture medium was changed to non-serum medium with some concentration of FGF1, 10 $\mu$ g/ml heparin and  $10^{-5}$  M dexamethasone. After 3days culture, the cells was measured cell proliferation by WST-1 method.

Product name	Catalog number	Pack size
Recombinant Human FGF1	NIB 47119900	50 $\mu$ g

### 関連製品

Recombinant Human FGF2	NIB 47107000	50 $\mu$ g	¥30,000
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### 参考文献

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.



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