

rhFGF2

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

Human Basic Fibroblast Growth Factor is also called FGF2 and basic FGF, isolate from a number of sources, including neural tissue, pituitary, adrenal cortex and placenta. FGF2 induces neuron differentiation, survival, and regeneration. FGF2 also modulates embryonic development and differentiation. FGF2 plays a role in the modulation of such normal processes as angiogenesis, neural degeneration. FGF2 is proliferated many cells with ES/iPS cells at the start. This product is generated by a unique manufacturing technology of recombinant protein.

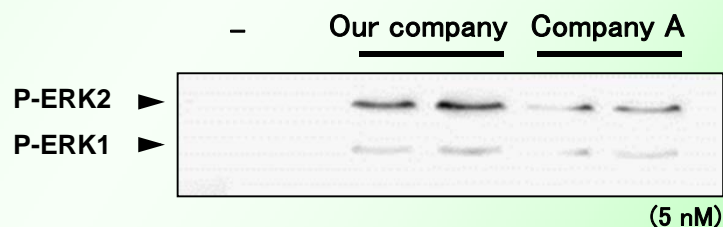
Specification

Recombinant Human FGF2

Origin	: Human
Molecular weight	: 17.4×10^3
Concentration	: 1 mg/mL (PBS 2 mM EDTA, 1M NaCl)
Purity	: > 95%
Endotoxin level	: < 0.1 EU/ μ g
Storage	: Frozen, below -70 °C

※Avoid repeated freeze-thaw cycles.

Phosphorylation of ERK by FGF2 in MC3T3-E1 cells.

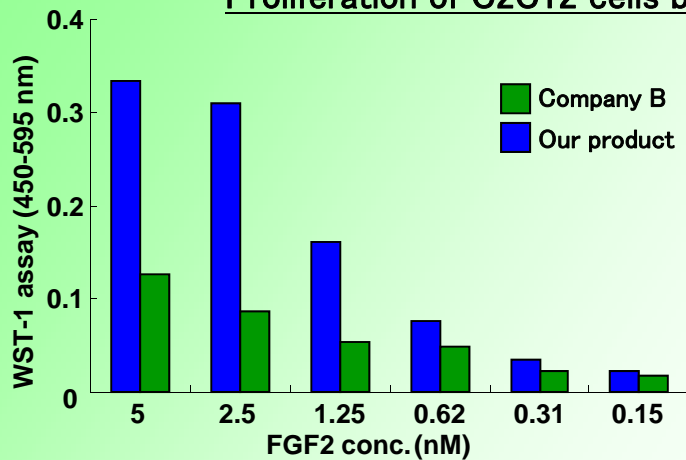


24hrs after from seeding of 1×10^5 MC3T3-E1 cells, culture medium was changed to non-serum medium. After further 24 hrs, the cells were cultured in medium containing 5nM of final concentration of control / FGF2 for 5 min. Cells were corrected, subjected to Western blotting using phospho-ERK1/2 antibody.



Support For Cell Culture – ES/iPS Research OYC-Bio laboratory research reagents

Proliferation of C2C12 cells by FGF2 protein



24hrs after from seeding of 2×10^3 cells C2C12 cells, culture medium was changed to non-serum medium with some concentration of FGF2 and 10^{-5} M dexamethasone. After 3days culture, the cells was measured cell proliferation by WST-1 method.

Products Name	Catalog number	Packing size
Recombinant Human FGF2	NIB 47107000	50 μ g

- ❖ For bulk inquiry, please contact the sales office at your region.
- ❖ For research purpose only. Not for therapeutic or diagnostic use.

Related reagents

47200000	rLaminin-5	2 μ g	9284100	MEF	1 vial
47201000	rLaminin-5	2 μ g \times 5	9284300	MEF	10 vial

Reference

- Burgess, W. H. *et al.* (1989) *Ann. Rev. Biochem.* 58, 575.
- Gospodarowicz, D. (1991) in *The Fibroblast Growth Factor Family*, Baird A. *et al.* . eds. *Ann N.Y. Acad. Sci.* 638, 1.
- Morrison, R.S. *et al.* (1986) *PNAS USA* 83, 7537.
- Walicke P. *et al.* (1986) *PNAS USA* 83, 3012.
- Grinspan, J.B. *et al.* (1993) *J. Neurosci. Res.* 36, 672.



ORIENTAL YEAST CO.,LTD.

Customer support / service

- Tel: + 81-3-3968-1192
- Fax: +81-3-3968-4863
- <https://www.oyc-bio.jp/form/inquiry.html>



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