

rhFGF2

Recombinant Human Fibroblast Growth Factor-2

Human Basic Fibroblast Growth Factor is also called FGF2 and basic FGF, isolated 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 induces proliferation of 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

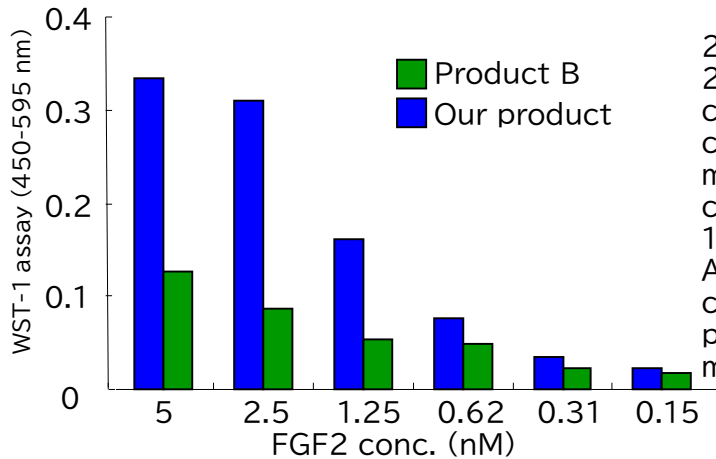
Host	: <i>E.coli</i>
Origin	: Human
Molecular mass	: 17.4 kDa
Concentration	: 1 mg/mL (PBS containing 2 mM EDTA and 1M NaCl)
Purity	: $\geq 95\%$
Endotoxin level	: ≤ 0.1 EU/ μ g
Storage	: Frozen, below -70°C
* Avoid repeated freeze-thaw cycles.	

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.

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.

Item	Catalog number	Packing size
Recombinant Human FGF2	47079000	100 μ g

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

Related products

Item	Catalog number	Packing size
Recombinant Human FGF1	47078000	100 μ g
Recombinant Human Laminin-3A32	47200000	2 μ g
	47201000	2 μ g \times 5

References

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

Please contact the one that best suits your need.

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