FGF-2/bFGF/FGF-b (Met134-Ser288), Human, Recombinant

Cat. No. : PCK008

General Information

Synonyms	Fibroblast Growth Factor 2;FGF-2;Basic fibroblast Growth Factor;Bfgf;Heparin-binding Growth Factor 2;HBGF-2;FGF2;FGFB
Species	Human
Expression host	E.coli
Sequence	Met134-Ser288
Accession	P09038
Mol mass	17.3 kDa
Expiration date	12 months
Bio activity	Measured in a cell proliferation assay using Balb/3T3 mouse fibroblast cells. The ED50 for this effect is 0.1-0.6 ng/mL.

Product feature

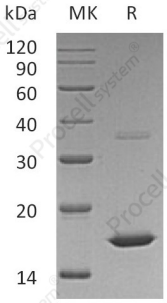
Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 8% Trehalose, 2% Mannitol, 0.05% Tween80, 2 mM EDTA, pH8.0.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

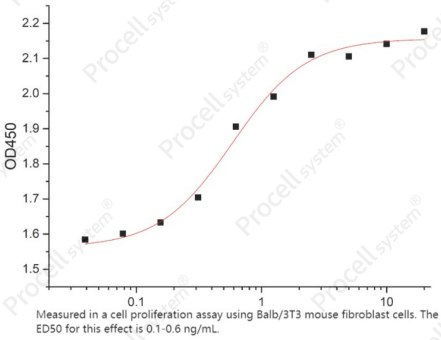
Fibroblast Growth Factor 2 (FGF2) is a secreted Protein and belongs to the heparin-binding Growth Factors family. FGF2 is produced by epithelial, tumor and other cell types. It involved in developmental processes and regulates differentiation, proliferation, and migration, FGF2 is a critical factor for growing embryonic stem cells in culture without inducing differentiation. FGF2 has a high affinity for heparan sulfate and binding is a step in the FGF basic activation of FGFR tyrosine kinase.

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SDS-PAGE



Bio activity



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