FGF-2/bFGF/FGF-b (Gly132-Ser288), Human, Recombinant

Cat. No. : PCK007

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	Gly132-Ser288
Accession	P09038-4
Mol mass	17.4 kDa
Expiration date	12 months
Bio activity	Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 0.42 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, 150 mM NaCl, 3% Trehalose, 4% Mannitol, pH 7.5.
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

FGF-basic is a members of the Fibroblast Growth Factors (FGFs) family.The family constitutes a large family of Proteins involved in many aspects of development including cell proliferation, growth, and differentiation. They act on several cell types to regulate diverse physiologic functions including angiogenesis, cell growth, pattern formation, embryonic development, metabolic regulation, cell migration, neurotrophic effects, and tissue repair. FGF-basic is a non-glycosylated heparin binding Growth Factor that is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland liver, monocytes, epithelial cells and endothelial cells. FGF-basic signals through FGFR 1b, 1c, 2c, 3c and 4.