Recombinant Human FGF-2/FGFb Protein (aa 143-288)

Catalog No. PKSH032439

Note: Centrifuge before opening to ensure complete recovery of vial contents.

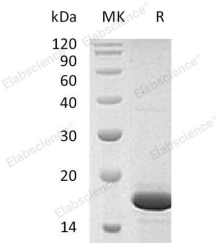
Description

Synonyms	Fibroblast growth factor 2;FGF-2;Basic fibroblast growth factor;bFGF;Heparin-binding growth factor 2;HBGF-2
Species	Human
Expression Host	E.coli
Sequence	Pro143-Ser288
Accession	P09038-4
Calculated Molecular Weight	16.3 kDa
Observed molecular weight	17 kDa
Tag	None
Bioactivity	Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 0.3-2.0 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.01 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 0.02% Tween 80, pH7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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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.

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