Product Name: Recombinant Human FGFb(K128N)
Catalog #: PEH0658

Summary

Name	FGF-2/bFGF/FGF basic/FGFb (Thermostable,Met1-Ser155,K128N)
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Thermostable Fibroblast Growth Factor 2 is produced by our E.coli expression system and the target gene encoding Met1-Ser155 is expressed.
Accession #	BAG70135.1
Host	E.coli
Species	Human
Predicted Molecular Mass	17.2 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Citrate,10% Trehalose,150mM NaCl,0.04% PS80,0.5mM EDTA,pH 5.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	0.00.0

SDS-PAGE image

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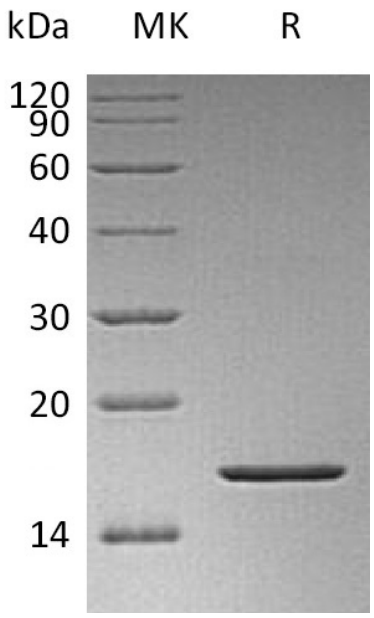

Alternative Names

Fibroblast growth factor 2; FGF-2; Basic fibroblast growth factor; bFGF; Heparin-binding growth factor 2; HBGF-2; FGF2; FGFB

Background

Fibroblast growth factors (FGF) are a family of heparin-binding secreted proteins that stimulate cell proliferation and differentiation in a wide variety of tissues. FGFs play important roles in diverse biological functions both in vivo and in vitro, including mitogenesis, cellular migration, differentiation, angiogenesis, and wound healing. Human embryonic stem cell (hESC) cultures require FGF basic (also known as FGF-2 or bFGF) in cell culture media to remain in an undifferentiated and pluripotent state. Thermostable FGF basic was engineered for enhanced stability in culture media, without modification of its biological function. FGF basic is a required component of stem cell culture media for maintaining cells in an undifferentiated state. Because FGF basic is unstable, daily media changes are needed. The thermostable FGF basic that supports a 2-day media change schedule, so no media changes are required over a weekend. This thermostable FGF basic was more stable than FGF basic in biochemical studies, and maintained cell growth, pluripotency and differentiation potential with a 2-day feeding schedule.

Note

For Research Use Only , Not for Diagnostic Use.