

**HumanKine<sup>®</sup> FGF-1 (Recombinant Human)**



Animal Component-Free	Human cell expressed	Tag-Free	Endotoxin Free
-----------------------	----------------------	----------	----------------

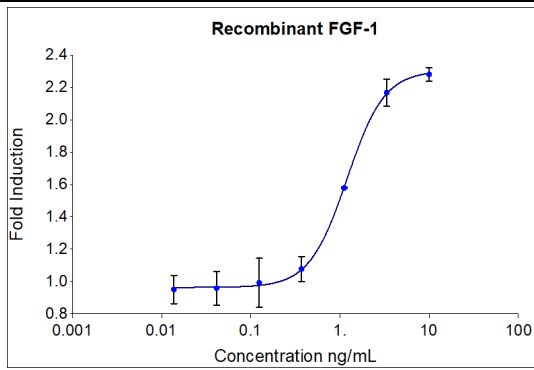
**Product Description**

Alternative Names	Acidic Fibroblast Growth Factor 1, Heparin-Binding growth Factor 1, FGF-acidic, ECGF-beta, HBGF-1, FGF-1, Fibroblast Growth Factor Acidic
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived FGF-1 protein

**Specifications**

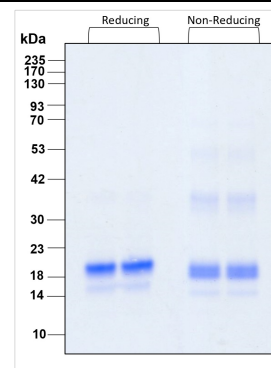
Test	Method	Specification
Activity	Dose-Dependent stimulation of the proliferation of the HDFa cell line	0.5-2.5 ng/mL EC50
Molecular Mass	SDS-PAGE	18 kDa reduced, 16 kDa non-reduced, monomer, non-glycosylated
Purity	SDS-PAGE	> 95%
Endotoxin	LAL	<1 EU/μg

**Activity Data**



Recombinant human FGF-1 (HZ-1327) stimulates dose-dependent proliferation of the HDFa human primary fibroblast cell line. Cell number was quantitatively assessed by Promega CellTiter 96<sup>®</sup> cell viability reagent. HDFa cells were treated with increasing concentrations of recombinant FGF-1 for 48 hours. The EC50 was determined using a 4-parameter non-linear

**SDS-PAGE**



Preparation	
Shipping Temperature	ambient temperature
Formulation	1x PBS, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

[www.ptglab.com](http://www.ptglab.com)

Document #: FR-QA118-101 Rev 0  
Data Sheet Version #: 1

**Proteintech Group, Inc.**  
5500 Pearl Street, Suite 400 Rosemont, IL 60612  
t: 1-888-478-4522; f: 1-312-455-8408  
Email: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)