

**HumanKine<sup>®</sup> FGF-8b (Recombinant Human)**



Animal Component-Free	Human cell expressed	Tag-Free	Endotoxin Free
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**Product Description**

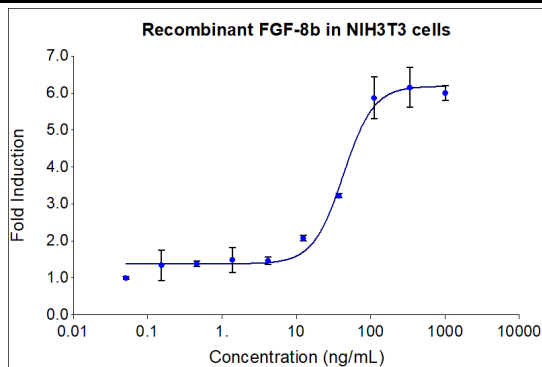
Animal-free Recombinant Human FGF-8b is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 30 to 45 kDa. This wide molecular mass is due to glycosylation, which is absent when this cytokine is expressed in E. coli. Production in human 293 cells offers authentic glycosylation. Glycosylation contributes to stability in cell growth media and other applications. The cytokine is greater than 95% pure.

Alternative Names	AIGF, Androgen induced growth factor, FGF 8, FGF8, FGF-8b, Fibroblast growth factor 8, HBGF 8, KAL6
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived FGF-8b protein
Species Reactivity	human,mouse,pig

**Specifications**

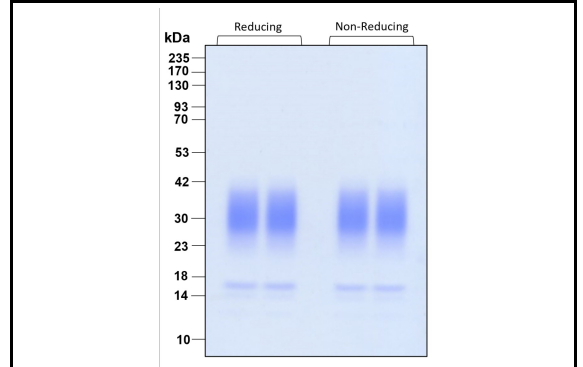
Test	Method	Specification
Activity	Dose-dependent stimulation of the proliferation of the Balb/c 3T3 cell line. Dose-Dependent stimulation of Proliferation in the NIH 3T3 cell line in low serum conditions	0.7-4 ng/mL EC50 in Balbc 3T3. 10-60 ng/mL EC50 in NIH 3T3 in defined media
Molecular Mass	SDS-PAGE	30 to 45 kDa, monomer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/μg

**Activity Data**



Recombinant human FGF-8b (HZ-1218) stimulates dose-dependent proliferation of the NIH/3T3 mouse fibroblast cell line. Viable cell number was quantitatively assessed by Prestoblu<sup>e</sup> Cell Viability Reagent. NIH/3T3 cells were serum starved in 0.02% FBS with 1 μg/mL heparin during treatment with increasing concentrations of recombinant human FGF-8b for 72hrs. The EC50 was

**SDS-PAGE**



Preparation	
Shipping Temperature	ambient temperature
Formulation	10 mM Tris-HCl pH 7.4 + 800 mM NaCl, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile water 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.			

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