

## Human FGF-basic, FGF-2 (glycosylated, HEK)

Synonyms: Prostatropin, HBGH-2, HBGF-2, FGF-2, FGF-b.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order #	Lot #	Expiry Date
2 µg	1369.955.002		
10 µg	1369.955.010		
1 mg	1369.955.199		

Please enquire for bulk quantities and other vial sizes

### Description

FGF-2 Human Recombinant Thermostable produced in HEK cells is a non-glycosylated monomer, containing 154 amino acids and having a total molecular weight of 17kDa. FGF-2 Thermostable is a protein engineered FGF2 in order to enhance its thermostability without modifying its biological function.

- **Source** HEK
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The FGF2 was filtered (0.2µm) and lyophilized from 1.26mg/ml in 1xPBS\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

The specific activity was determined by the dose dependent stimulation of proliferation of the Balb/c 3T3 cell line, the ED<sub>50</sub> is 0.03ng/ml.

### Reconstitution

It is recommended to reconstitute the lyophilized FGF-b in sterile PBS containing 0.1% endotoxin-free recombinant HSA.

### Stability

Lyophilized FGF-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-b should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

PALPEDGGSG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH IKLQLQAEER GV VSIKGVCA  
ANRYLAMKED GRLLASKCVT DECFERLE SNNYNTYRSR KYTSWYVALK RTGQYK

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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