

# NEUROMICS



## ISOKine™ bFGF

## Datasheet

**Catalog Number:** PR80001

**Product Type:** Recombinant Protein

**Source:** Produced in the endosperm tissue of barley grain (*Hordeum vulgare*), that exhibits up to 50 times less protease activity than *E.coli* or mammalian cells. Barley seed is void of any human or animal viral contaminants that could jeopardize your cell culture.

**Description/Molecular Mass:** This recombinant human FGF-basic consists of 146 amino acid residues. In addition it contains a 10 aa tag at the N-terminus resulting in a 17.8 kDa protein.

**Activity:** Each batch of ISOKine™ growth factor is tested for bioactivity and verified to have comparable activity to a commercial source. Bioactivity of ISOKine™ recombinant human FGF-basic 146 is assayed by measuring its dose dependent effect on proliferation of 3T3 cells. The ED50 for this effect using FGF basic 146 is typically < 0.6 ng/ml, corresponding to a specific activity > 1.7 x10e6 U/mg. Optimal concentration should be determined for specific applications and cell lines.

**Endotoxin Level:** Endotoxin level is less than 0.005ng per µg of ISOKine™ product (0.05EU/µg) as measured by turbidimetric kinetic assay.\* \* Ref. Associates of Cape Cod Industries, Deacon Park, Knowsley, Liverpool, UK

**MAT Assay:** Purified ISOKine™ product carries no pyrogenic or pro-inflammatory contaminants, as assayed with monocyte activation test using Human 10-plex Cytokine Assay measuring IL-6, TNF-alpha and IL-1beta induction.\*\* \*\* Ref. The Blood Bank, University Hospital of Iceland, Reykjavik, Iceland

**Purity:** Greater than 95% by SDS-PAGE gel analysis

**Format:** Lyophilized . PBS, pH 7.2, sterile filtered.

**Reconstitution:** Always centrifuge the vial before opening. It is recommended to reconstitute the lyophilized protein in sterile water to a concentration of no less than 100 µg/ml. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Storage:** 12 months from date of receipt, -20 to 70°C as supplied.  
1 month, 2 to 8 °C under sterile conditions after reconstitution.  
3 months,- 20 to 70 °C under sterile conditions after reconstitution.  
**Avoid multiple freeze-thaw cycles.**

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*FOR RESEARCH USE ONLY*

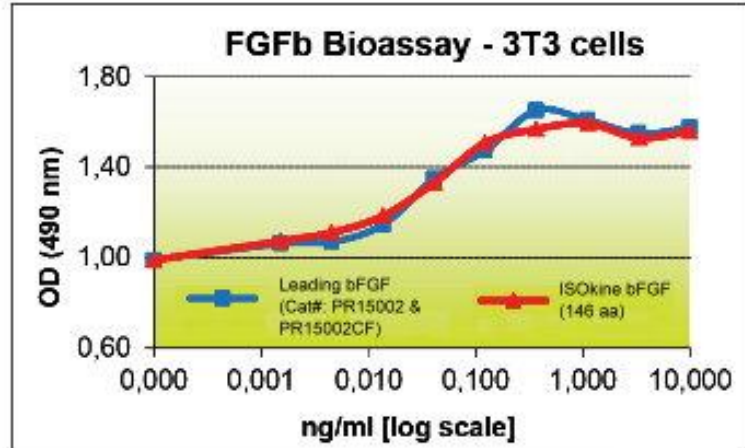
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Image: ISOKine™ bFGF vs our potent and proven e-coli derived bFGF



Bioassays conducted by SBH Science, MA, USA

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