

## Growth Factors Recombinant FGF-2 TOP® (Thermostability Optimized)



Thermostable Basic Fibroblast Growth Factor

50µg  
1000 µg

CORE  
BIOGENESIS

customers@corebiogenesis.com

More info and related products at  
[www.corebiogenesis.com](http://www.corebiogenesis.com)

## Product Description

**FGF-2-TOP®** (Thermostability Optimized) -formerly STAB- is a stabilized growth factor that offers a novel way to grow FGF-2-dependent cell cultures more efficiently, with fewer media changes. FGF2-TOP® retains full biological activity even after seven days at 37°C. The stable levels of FGF-2 in culture allows for a more homogenous, undifferentiated stem cell culture, while saving researchers valuable time and money because repeated supplementation with FGF-2 and a daily medium change is not required. **Core Biogenesis FGF-2 TOP® is the 155 aa mature domain of FGF-2** with nine amino acid substitutions to enhance stability without impacting bioactivity developed by Dvorak et al. 2018. This increases the functional half-life of the protein from <10 h (wild-type) to >7 days (FGF2-TOP®) in cell culture conditions at 37°C.

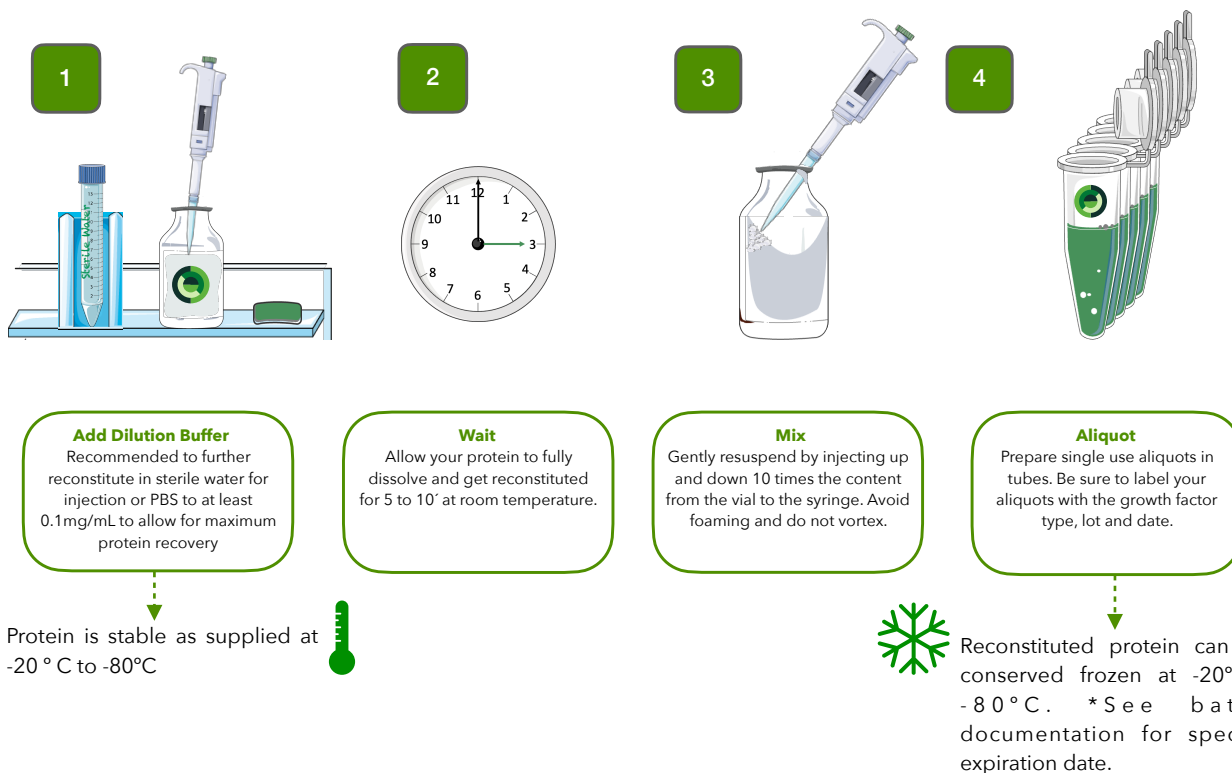
## Product Information

Alternative Names:	FGF-2 G3, bFGF STAB, Thermostable FGF-2.
Amino Acid Sequence:	155 amino acids with 9 aa point mutations from the wild-type FGF-2. Tag-free. Original sequence accession number: <a href="#">P09038</a>
Molecular mass:	Estimated 17.4 kDA.
Origin:	Plant-derived.
Species:	Engineered sequence.
Similarity:	Species neutral. Reactivity with Human, Bovine, Porcine and Mouse.

## Product Specifications

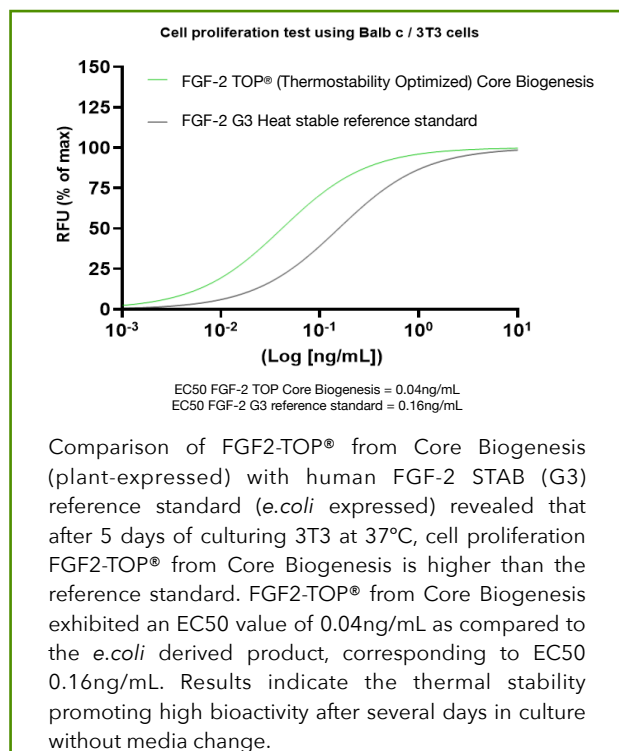
Purity:	≥ 90% measured by SDS page resolved under reduced (R) conditions.
Bioactivity:	The specific activity corresponds to generally EC50 ≤ 1 ng/ml. Determined by the ability to promote the proliferation of NIH/3T3 cells cultured in adherent condition.
Formulation:	Solution in PBS or Lyophilized.
Endotoxin level:	Recombinant protein expressed in plant system, free of bacterial endotoxins.
Animal Component:	Animal-derived Component Free. Core Biogenesis strictly guarantees that our recombinant proteins are not produced with or contain any components of animal origin.

## Product Use & Storage



## Product Data

### Bioactivity



### SDS-PAGE

