

# CytoGrow™ Recombinant bFGF/FGF-2 (Tuna)

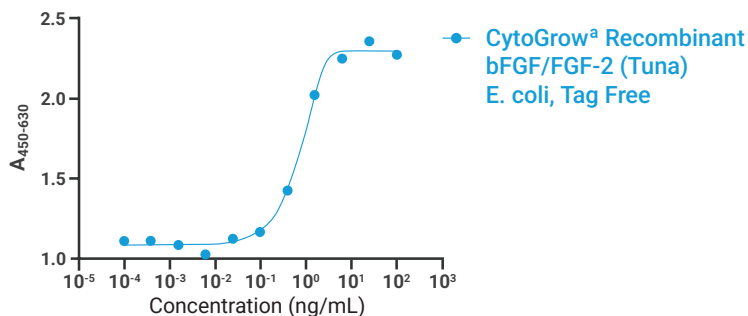
Catalog Numbers: CG117-A, CG117-B, CG117-C

Revision 1.0

## Specifications

Synonym	Fibroblast Growth Factor 2; FGF-2; Basic Fibroblast Growth Factor; bFGF; Heparin-Binding Growth Factor 2; HBGF-2; FGF2; FGFB
Species	Tuna
Size	10µg/50µg/1mg
Tag	Tag free
Purity	≥ 95%
Endotoxin	≤10 EU/mg by the LAL method
Expression System	E. coli
Expression Region	Met1-Ser155
pH	7.0-8.0
Appearance	White Powder or clear liquid
Formulation	Lyophilized from a 0.22 µm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Shipping	US - Ships overnight
Reconstitution	Recommended to redissolve in sterile deionized water.
Storage and Stability	<p>Lyophilized state: 36 months at -20°C to -80°C</p> <p>After reconstitution and under sterile conditions. 6 months at -20°C to -80°C 7-10 days at 2°C to 8°C</p> <p>Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.</p>

## Bioactivity



Measured in a cell proliferation assay using Nb2-11 cells.

## Reconstitution

1. Reconstitute protein to concentrations of 100 µg/mL or higher.
2. Use sterile deionized water to solubilize the lyophilized protein.
3. Gently tap glass vial to help collect the powder to the bottom.
4. Add desired amount of buffer, observe after 2 min. Gentle agitation by hand may be required.
5. Prepare aliquots of solution. Freeze at -20°C to -80°C to avoid repeated freeze thaw cycles.