

Rev07  
Update: Sep,11,2025**DATASHEET**

# FGF-basic, Mouse

Cat. No.: Z03016

## Product Introduction

<b>Species</b>	Mouse
<b>Protein Construction</b>	Expressed with an N-terminal Met. <b>FGF-basic (Pro10-Ser154) Accession # P15655</b>
<b>Purity</b>	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
<b>Endotoxin Level</b>	< 0.2 EU/μg of protein by gel clotting method
<b>Biological Activity</b>	ED <sub>50</sub> < 0.5 ng/ml, measured by a cell proliferation assay using 3T3 Cells, corresponding to a specific activity of > 2.0 × 10 <sup>6</sup> U/mg.
<b>Expression System</b>	E. coli
<b>Apparent Molecular Weight</b>	~16.4 kDa, on SDS-PAGE under reducing conditions.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O up to 100 μg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Background

**Target Background** : Fibroblast Growth Factor-basic (FGF-basic), also known as HBGF-2, is a non-glycosylated heparin-binding growth factor that belongs to the FGF family. FGF-basic is present in basement membranes and in the subendothelial extracellular matrix of blood vessels. FGF-basic signals through FGFR1, 2, 3 and 4 that plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration.

**Synonyms** : Fibroblast Growth Factor-basic; FGF-2; BFGF; FGFB; HBGF-2; bFGF; Prostatropin

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China

**GenScript USA, Inc.**

