

Rev03
Update: Dec,14,2021

DATASHEET

FGF-basic, Mouse

Cat. No.: Z03016

Product Introduction

Species	Mouse
Protein Construction	Expressed with an N-terminal Met. FGF-basic (Pro10-Ser154) Accession # P15655
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Biological Activity	ED ₅₀ < 0.5 ng/ml, measured by a cell proliferation assay using 3T3 Cells, corresponding to a specific activity of > 2.0 × 10 ⁶ units/mg.
Expression System	E. coli
Apparent Molecular Weight	~16.4 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	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 ₂ O up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 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.