

Rev03
Update: Dec,14,2021

DATASHEET

FGF-18, Human

Cat. No.: Z03011

Product Introduction

Species	Human
Protein Construction	Expressed with an N-terminal Met. FGF-18 (Ala27-Arg199) Accession # O76093
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 < 10.0 ng/ml, measured by a cell proliferation assay using 3T3 Cells, corresponding to a specific activity of > 1.0 × 10 ⁵ units/mg.
Expression System	E. coli
Apparent Molecular Weight	~20.3 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-18 (FGF-18) is a heparin-binding growth factor that is a member of the FGF family. FGF-18 signals through FGFR 1c, 2c, 3c, and 4. FGF-18 plays an important role in the regulation of cell proliferation, cell differentiation and cell migration. FGF-18 is required for normal ossification and bone development. It can also stimulate hepatic and intestinal proliferation.

Synonyms : FGF18; Fibroblast Growth Factor-18; zFGF5; FGF1

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