

Rev03
Update: Dec,14,2021

DATASHEET

FGF-9, Human

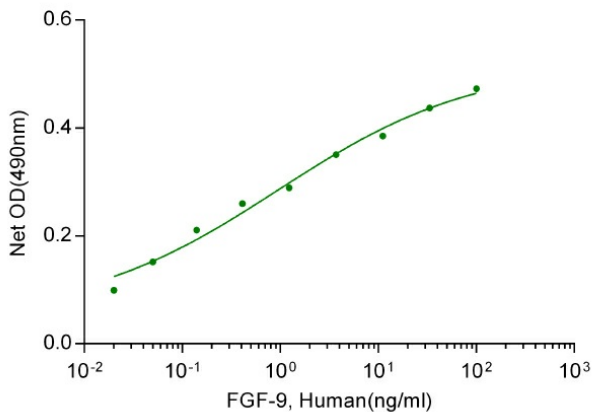
Cat. No.: Z03033

Product Introduction

Species	Human
Protein Construction	FGF-9 (Met1-Ser208) Accession # P31371
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 < 2.0 ng/ml, measured by a cell proliferation assay using 3T3 cells, corresponding to a specific activity of > 5.0 × 10 ⁵ units/mg.
Expression System	E. coli
Apparent Molecular Weight	~23.4 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.

Examples

ED₅₀ < 2.0 ng/ml , measured by a cell proliferation assay using 3T3 cells, corresponding to a specific activity of >5.0 × 10⁵ units/mg.



Background

Target Background : Fibroblast Growth Factor-9 (FGF-9) is a heparin binding growth factor that belongs to the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-9 was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons and may be important for glial cell development.

Synonyms : Fibroblast Growth Factor-9; FGF9; GAF; Glia-activating factor; HBGF-9

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