

Recombinant Human Heat Stable bFGF

Cat. No.:MGC003 size : 10 μ g / 50 μ g / 1mg

Characteristics:

Source	<i>E.coli</i>
Description	Human bFGF (Pro 143-Ser 288) with nine stabilizing amino acid substitutions Accession # P09038
Predicted molecular mass	17 kDa

Specification:

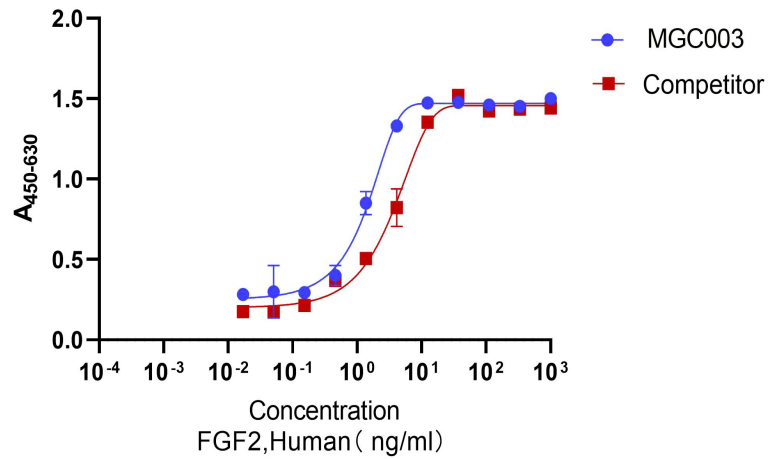
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	\geq 95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	\leq 0.01EU/ μ g by the LAL method
Activity	Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED ₅₀ for this effect \leq 2.0 ng/mL.
Formulation	Lyophilized from a 0.22 μ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	Wet ice (seasonal)
Storage & Stability	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Data:

Bioactivity



Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED₅₀ for this effect ≤ 2.0 ng/mL.

The activity of MGC003 was higher than the other competing product.

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