

32-12052: Human Fibroblast Growth Factor-8

Gene : FGF8

Gene ID : 2253

Uniprot ID : P55075

Alternative Name : Androgen-induced growth factor, Heparin-binding growth factor 8, AIGF

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 22.5 kDa (194 aa)

Fibroblast growth factor 8 (FGF-8) is a critical mitogenic factor that is required for normal development of the eye, ear, brain, and limb. FGF-8 functions broadly to promote cell proliferation, differentiation, and migration. Overexpression of FGF-8 increases tumor growth and angiogenesis. Human and mouse FGF-8 proteins show 100% homology.

Product Info

Amount : 25 µg / 100 µg

Purification : Reducing and Non-Reducing SDS PAGE at $\geq 95\%$

Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 5 mM sodium phosphate, 50 mM sodium chloride, pH 7.5
Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

Amino Acid : MQQVTVQSSPN^Å FTQHVREQSL^Å VTDQLSRRLI^Å RTYQLYSRTS^Å GKHVQVLANK^Å RINAMAEDGD^Å PFAK LIVETD^Å TFGSRVRVGAETGLYICMN^Å KKGKLIAKSN^Å GKGKDCVFTE^Å IVLENNYTAL^Å QNAKYEGWYM ^Å AFTRKGRPRK^Å GSKTRQHQR^Å VHFMRKLRPG^Å HHTTEQSLRFELNYPFTR^Å SLRGSQRTWA^Å PEPR

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Biological Activity was determined by 3T3 cell proliferation at ≤ 150 ng/mL; $\geq 6.7 \times 10^3$ units/mg (typical ED50 is < 20 ng/mL). Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



