

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

32-12053: Human Fibroblast Growth Factor-8 (AF)

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 : $25 \mu g / 100 \mu g$

Purification: Reducing and Non-Reducing SDS PAGE at >= 95%

Lyophilized from a sterile (0.2 micron) filtered agueous solution containing 5 mM sodium

Content: phosphate, 50 mM sodium chloride, pH 7.5

Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

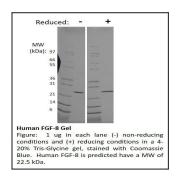
Amino Acid: MQVTVQSSPNÂ FTQHVREQSLÂ VTDQLSRRLIÂ RTYQLYSRTSÂ GKHVQVLANKÂ RINAMAEDGDÂ PFAK

LIVETDÂ TFGSRVRVRGAETGLYICMNÂ KKGKLIAKSNÂ GKGKDCVFTEÂ IVLENNYTALÂ QNAKYEGWYM AFTRKGRPRKÂ GSKTRQHQREÂ VHFMKRLPRGÂ HHTTEQSLRFEFLNYPPFTRÂ SLRGSORTWAÂ 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 proliferationat <=150 ng/mL; $>=6.7 \times 10^3$ 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 vialed to compensate for this loss.





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