

## 32-12049: Human Fibroblast Growth Factor-6 (AF)

**Gene :** FGF6  
**Gene ID :** 2251  
**Uniprot ID :** P10767  
**Alternative Name :** Heparin secretory-transforming protein 2, HST-2, HSTF-2, Heparin-binding growth factor 6, HBGF-6

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 18.9 kDa (169 aa)

Fibroblast growth factor 6 (FGF-6) is a heparin-binding growth factor that is expressed in epithelial and mesenchymal lineages. FGF-6 binds and signals through the FGF receptors FGFR1, FGFR2, and FGFR4. FGF-6 functions as a mitogen for vascular endothelial cells and fibroblasts. FGF-6 is also an important factor driving muscle differentiation and regeneration.

### Product Info

**Amount :** 25 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%  
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate and 50 mM sodium chloride, pH 7.5  
 Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MGTRANNTLL DSRGWGTTLS RSRAGLAGEI AGVNWESGYL VGIKRQRRLY CNVGIGFHLQ VLPDGRISGT HEENPYSLLE ISTVERGVVS LFGVRSALFV AMNSKGRLYA TPSFQEECKF RETLLPNNYN AYESDLYQGT YIALSKYGRV KRGSKVSPIM TVTHFLPRI

### Application Note

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

Biological Activity was determined by 3T3 Proliferation w 1 ug heparin <=1 ng/mL; >= 1.0 x 10<sup>6</sup> units/mg. 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.

