

## 32-12060: Human Fibroblast Growth Factor-21

**Gene :** FGF21  
**Gene ID :** 26291  
**Uniprot ID :** Q9NSA1  
**Alternative Name :** FGFLA

### Description

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

**Predicted MW:** Monomer, 19.5 kDa (182 aa)

Fibroblast growth factor 21 (FGF-21) is an endocrine hormone that regulates energy homeostasis and exerts cardioprotective functions during heart injury. FGF-21 is expressed in the liver, pancreas, heart, and adipose tissues. FGF-21 signaling is activated through the FGFR1c receptor and beta -Klotho co-receptor. FGF-21 is an important regulator of glucose uptake and reduces cell apoptosis under stress conditions.

### Product Info

**Amount :** 20 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, 100 mM sodium chloride, pH 7.5  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MHPIPDSSPLA LQFGGQVRQRA YLYTDDAQTAE AHLEIREDGA TVGGAADQSPA ESSLQLKALKA PGVIQ ILGVKA TSRFLCQRPDA GALYGLSLHFDPEACSFRELLLEDGYNVYQSA EAHGLPLHLPAGNKSPhRDPAAPRGPARFLPLA PGLPPALPEPA PGILAPQPPDA VGSSDPLSMVA GPSQGRSPSYA AS

### Application Note

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

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.

