

## 32-12061: Human Fibroblast Growth Factor-22

**Gene :** FGF22  
**Gene ID :** 27006  
**Uniprot ID :** Q9HCT0  
**Alternative Name :** FGFM

### Description

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

**Predicted MW:** Monomer, 17.3 kDa (149 aa)

Fibroblast growth factor 22 (FGF-22) is a mediator of synaptogenesis in the adult nervous system and functions to regulate synapse formation and maturation. FGF-22 is expressed in the inner hair cell and functions to maintain ribbon synapse number to protect functional hearing. In the hippocampus, FGF-22 promotes excitatory synapse formation through binding the FGFR2b and FGFR1b receptors. FGF-22 is also required for axonal circuit remodeling after spinal cord injury.

### 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 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MTPSASRGPR SYPHLEGDVR WRRFLSSTHF FLRVDPGGRV QGTRWRHGQD SILEIRSVHV GV  
VVIKAVSS GFYVAMNRRG RLYGSRLYTVDCRFREIEE NGHNTYASQR WRRRGQPMFL ALDR  
RGGPRP GGRTRRYHLS AHFLPVLVS

### 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 vialled to compensate for this loss.

