

32-12061: Human Fibroblast Growth Factor-22

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

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 : MTPSASRGPRÅ SYPHLEGDVRÅ WRRLLFSSTHFÅ FLRVDPGGRVÅ QGTRWRHGQDÅ SILEIRSVHVÅ GVV VIKAVSSÅ GFYVAMNRRGÅ RLYGSRLYTDCRFERIEEÅ NGHNTYASQRÅ WRRRGQPMFLÅ ALDRRGGP RPÅ GGRTRRYHLSÅ 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 vial to compensate for this loss.

