

32-1199: FGF 22 Recombinant Protein

Alternative Name : Fibroblast growth factor 22,FGF-22.

Description

Source : Escherichia Coli. Fibroblast Growth Factor-22 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 149 amino acids and having a molecular mass of 17.3 kDa. The FGF-22 is purified by chromatographic techniques. FGF22 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The mouse homolog of this gene was found to be preferentially expressed in the inner root sheath of the hair follicle, which suggested a role in hair development.

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The sterile protein powder is lyophilized with no additives.
Storage condition :	Lyophilized Fibroblast Growth Factor 22 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-22 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	MTPSASRGPR SYPHLEGDVR WRRLEFSSTHF FLRVDPGGRV QGTRWRHGQD SILEIRSVHV GVVIKAVSS GFYVAMNRRG RLYGSRLYTV DCRFRERIEE NGHNTYASQR WRRRGQPMFL ALDRRGPRP GGRTRRYHLS AHFLPVLVS.

Application Note

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-22 sterile 18MÅ³Å³-cm H2O not less than 100Å³Å³µg/ml, which can then be further diluted to other aqueous solutions.