

32-1183: FGF13 Recombinant Protein

Alternative Name : Fibroblast growth factor 13,FGF-13,Fibroblast growth factor homologous factor 2,FHF-2,FGF13,FHF2.

Description

Source : Escherichia Coli. FGF13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 245 amino acids and having a molecular mass of 27.6kDa.The FGF-13 is purified by proprietary chromatographic techniques. Fibroblast growth factor 13 (FGF-13) is a member of the large FGF family which has at least 23 members. Most of its members are heparin binding growth factors with a core 120 amino acid (aa) FGF domain which allows for a mutual tertiary structure. Human and mouse FGF13 are 245 aa proteins which arise from genes that show N-terminal alternative splicing. Transcripts for 245 aa, 199 aa, 226 aa, 192 aa and 255 aa have been identified in human and mouse, with almost complete cross-species aa identity among all splice forms (greater than 98%). FGF13 is identified in the fetal ependyma, dorsal root and cranial ganglia, both atrial and ventricular myocardium, and in renal collecting duct-associated mesenchyme.

Product Info

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| Amount : | 25 µg |
| Purification : | Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE. |
| Content : | FGF13 protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, 0.5M NaCl, pH 7.4. |
| Storage condition : | Lyophilized FGF13 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-13 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 : | MAAAIASSLI RQKRQARERE KSNACKCVSS PSKGTKSCDK NKLNVFSRVK LFGSKKRRRR RPEPQLKGIV TKLYSRQGYH LQLQADGTID GTKDEDSTYT LFNLPVGLR VVAIQGVQTK LYLAMNSEGY LYTSELFTPE CKFKESVFEN YYVTYSSMIY RQQQSGRGWY LGLNKEGEIM KGNHVKKKPK AAHFLPKPLK VAMYKEPSLH DLTEFSRSGS GTPTKRSRVS GVLNGGKSMS HNEST. |

Application Note

It is recommended to reconstitute the lyophilized FGF-13 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

