9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# FGF13 Human

*Fibroblast Growth Factor 13 Human Recombinant*
*GRF0088*

## Product Overview

| | |
|---|---|
| Name | FGF13 Human |
| **Description** | |
| Fibroblast Growth Factor 13 Human Recombinant | |
| Accession (Primary) | Q92913 |
| **Synonyms** | |
| Fibroblast growth factor 13, FGF-13, Fibroblast growth factor homologous factor 2, FHF-2, FGF13, FHF2. | |
| **Introduction** | |
| 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 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. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered White lyophilized (freeze-dried) powder. | |
| **Formulation** | |
| FGF13 protein was lyophilized from a 0.2 μm filtered concentrated solution in 20mM PB, 0.5M NaCl, pH 7.4. | |
| **Stability** | |
| 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. | |
| **Purity** | |
| Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. | |
| **Amino acid sequence** | |
| MAAAIASSLI RQKRQARERE KSNACKCVSS PSKGKTSCDK NKLNVFSRVK LFGSKKRRRR RPEPQLKGIV | |

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TKLYSRQGYH LQLQADGTID GTKDEDSTYT LFNLIPVGLR VVAIQGVQTK LYLAMNSEGY LYTSELFTPE CKFKESVFEN YYVTYSSMIY RQQQSGRGWY LGLNKEGEIM KGNHVKKNKP AAHFLPKPLK VAMYKEPSLH DLTEFSRSGS GTPTKSRSVS GVLNGGKSMS HNEST.

**Solubility**

It is recommended to reconstitute the lyophilized FGF-13 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Precautions**

FGF13 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q92913 )