FGF13
Recombinant Human Fibroblast Growth Factor-13

Catalog No.	CS482A	**Quantity:**	5 µg
	CS482B		20 µg
	CS482C		1 mg

Alternate Names: FGF2, FHF2, FHF-2, FGF-13

Description: Human FGF-13 is encoded by the FGF13 gene. FGF-13 belongs to the FGF-11 subfamily which has four members FGF-11 to FGF-14. These four members were initially referred to as fibroblast growth factor homologous factors (FHFs) because they have high sequence identity with the other FGFs but did not activate FGF receptors (FGFRs) and were therefore not generally considered members of the FGF family. FGF-13 plays a crucial role in neuron polarization and migration in the cerebral cortex. In mouse FGF-13 RNA was detected in developing central nervous system in cells, and was also found throughout the peripheral nervous system.

Recombinant Human Fibroblast Growth Factor-13 is a single non-glycosylated polypeptide chain containing 245 amino acids.

Gene ID: 2258

Source: *E. coli*

Molecular Weight: 27.6 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution of 20 mM Tris, pH 8.5, + 500 mM NaCl.

Purity: >95% by SDS-PAGE and HPLC analyses.

Endotoxin Level: <1 EU/µg as determined by LAL method.

Amino Acid Sequence: MAAAIASSLI RQKRQARERE KSNACKCVSS PSKGKTSCDK NKLNVFSRVK LFGSKKRRRR RPEPQLKGIV TKLYSRQGYH LQLQADGTID GTKDEDSTYT LFNLIPVGLR VVAIQGVQTK LYLAMNSEGY LYTSELFTPE CKFKESVFEN YYVTYSSMIY RQQQSGRGWY LGLNKEGEIM KGNHVKKNKP AAHFLPKPLK VAMYKEPSLH DLTEFSRSGS GTPTKSRSVS GVLNGGKSMS HNEST

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

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