



Recombinant Human FGF-17

20190925BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-024
Size:	25 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	8822
Synonyms:	FGF17; FGF-13; FGFH

FGF-17 is a heparin binding growth factor that is a member of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-17 signals through the FGFR 1c, 2c, 3c, and 4. FGF-17 signals induction and patterning of embryonic brain. Recombinant human FGF-17 is a 22.7 kDa protein consisting of 195 amino acid residues.

Sequence

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MTQGENHPSP NFNQYVRDQG AMTDQLSRRQ IREYQLYSRT  
SGKHVQVTGR RISATAEDGN KFAKLIVETD TFGSRVRIKG  
AESEKYICMN KRKGLIGKPS GSKKDCVFTE IVLENNYTAF  
QNAHEGWFM AFTRQGRPRQ ASRSRQHQRE AHFIKRLYQG  
QLPFPNHAEK QKQFEFVGSA PTRRTKRTRR PQPLT
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Database References

Protein RefSeq:	NP_003858
Uniprot ID:	O60258
mRNA RefSeq:	NM_003867

Product Specifications

Expressed in	E. coli
Purity	> 95% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	Lyophilized in 10mM Sodiumphosphate pH 8.0 + 50mM NaCl
Length (aa):	195
MW:	22.7 kDa

Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

Reconstitution: Centrifuge the vial prior to opening. Reconstitute in 5mM Tris, pH 8.0 to a concentration of 0.1-1.0 mg/ml. *Do not vortex.* This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: The ED₅₀ as determined by a cell proliferation assay using Balb/c 3T3 cells is ≤ 10 ng/ml (≥ 1 x 10⁵ units/mg).