

## FGF17

### Recombinant Human Fibroblast Growth Factor-17

<b>Catalog No.</b>	CRF009B	<b>Quantity:</b>	25 µg
<b>Alternate Names:</b>	FGF-17, FGF-13		
<b>Description:</b>	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.		
<b>Uniprot ID:</b>	O60258		
<b>GenelD:</b>	8822		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	22.7 kDa (195 aa)		
<b>Formulation:</b>	Lyophilized from 10 mM Tris, 30 mM NaCl, pH 8.0		
<b>Purity:</b>	>95% by SDS-PAGE & HPLC analyses		
<b>Endotoxin Level:</b>	< 1 EU/µg		
<b>Biological Activity:</b>	Assay #1: ED <sub>50</sub> ≤ 0.5 ng/ml, determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors. Assay #2: ED <sub>50</sub> ≤ 10 ng/ml, determined by a cell proliferation assay using Balb/c 3T3 cells.		
<b>Specific Activity:</b>	Assay #1: ≥ 2 x 10 <sup>6</sup> units/mg Assay #2: ≥ 1 x 10 <sup>5</sup> units/mg		
<b>Amino Acid Sequence:</b>	MTQGENHPSP NFNQYVRDQG AMTDQLSRRQ IREYQLYSRT SGKHVQVTGR RISATAEDGN KFAKLIVETD TFGSRVRIKG AESEKYICMN KRGKLIGKPS GKSKDCVFTE IVLENNYTAF QNARHEGWFM AFTRQGRPRQ ASRSRQNRQRE AHFIKRLYQG QLPFPNHAEK QKQFEFVGSA PTRRTKRTRR PQPLT		
<b>Reconstitution:</b>	The lyophilized FGF-17 should be reconstituted in 5 mM Tris, pH 8.0 to a concentration of 1 mg/ml. This solution can be diluted into other buffered solutions containing a carrier protein.		
<b>Storage &amp; Stability:</b>	Store lyophilized FGF-17 at -20°C to -80°C. Reconstituted FGF-17 should be stored in working aliquots at -20°C to -80°C. Freeze/thaw cycles will result in significant loss of activity. <b>Avoid repeated freeze/thaw cycles.</b>		

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