Recombinant Human Fibroblast Growth Factor-17 (rHuFGF-17)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	104-17
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 22.6 kDa, a single non-glycosylated polypeptide chain containing 195 amino acids.
Quantity:	5μg/25μg/1000μg
AA Sequence:	MTQGENHPSP NFNQYVRDQG AMTDQLSRRQ IREYQLYSRT SGKHVQVTGR RISATAEDGN KFAKLIVETD TFGSRVRIKG AESEKYICMN KRGKLIGKPS GKSKDCVFTE IVLENNYTAF QNARHEGWFM AFTRQGRPRQ ASRSRQNQRE AHFIKRLYQG QLPFPNHAEK QKQFEFVGSA PTRRTKRTRR PQPLT
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED_{50} as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 10 ng/ml, corresponding to a specific activity of >1.0 × 10^5 IU/mg.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 0.1 EU/μg of rHuFGF-17 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 ℃ . Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	**ChemWhat Limited in UK offers this branded product for research, development or further** evaluation purposes. **NOT FOR HUMAN USE**.

Human Fibroblast Growth Factor-17

FGF-17 is a member of the FGF superfamily of heparin-binding mitogenic molecules characterized by the presence of a core, 120 amino acid (aa) beta-trefoil structure. The mRNA of FGF-17 was found in midgestation of embryo and multiple adult tissues, and is preferentially expressed in specific sites, such as embryonic brain, developing skeleton and arteries.

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