

ChemWhat Recombinant Human Fibroblast Growth Factor-13 (rHuFGF-13)

A brand under Watson

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	104-13
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 27.6 kDa, a single non-glycosylated polypeptide chain containing 245 amino acids.
Quantity:	5µg/20µg/1000µg
AA Sequence:	MAAAIASSLI RQKRQARERE KSNACKCVSS PSKGKTS CDK NKLNVFSRVK LFGSKKRRRR RPEPQLKGIV TKLYSRQGYH LQLQADGTID GTKDEDSTYT LFNLPVGLR VVAIQGVQTK LYLAMNSEGY LYTSELFTPE CKFKESVFEN YYVTYSSMIY RQQSGRGRWY LGLNKEGEIM KGNHVKKKPK AAHFLPKPLK VAMYKEPSLH DLTEFSRSGS GTPTKRSRVS GVLNGGKSMS HNEST
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Test in process.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris, pH 8.5, 500 mM NaCl.
Endotoxin:	Less than 1EU/µg of rHuFGF-13 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°C . 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. <ul style="list-style-type: none">● 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-13

Human FGF-13 encoded by the FGF13 gene, 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 (FHF) because they have high sequence identity with the other FGFs but did not activate FGF receptors (FGFRs) and were not generally considered members of the FGF family. FGF-13 plays a crucial role in neuron polarization and migration in the cerebral cortex. In murine FGF-13 RNA was detected in developing central nervous system in cells, and was also found throughout the peripheral nervous system.