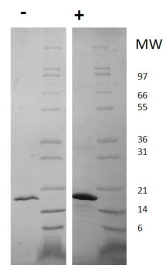


FGF22

Recombinant Human Fibroblast Growth Factor-22

Catalog No.	CRF037A CRF037B CRF037C CRF037D	Quantity:	5 µg 20 µg 1.0 mg 100 µg
Alternate Names:	FGF-22, FGFM		
Description:	Fibroblast Growth Factors (FGFs) are a 22 member family of proteins known to be involved in angiogenesis, wound healing and embryonic development. As a family, they bind to heparin and signal through four receptor tyrosine kinases called, FGFR1, 2, 3 and 4. Human FGF-22 is a member of the FGF-7 subfamily and is synthesized by multiple cell lines including neurons, keratinocytes and skeletal muscle myotubes. Human FGF-22 shares 86% homology with mouse FGF-22. May be involved in hair development. FGF-22 is also required for axonal circuit remodeling after spinal cord injury.		
Gene ID:	27006		
UniProt ID:	Q9HCT0		
Source:	<i>E. coli</i>		
Molecular Weight:	17.3 kDa (149 aa)		
Formulation:	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)		
Purity:	≥ 95% as determined by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1 EU/µg by kinetic LAL analysis		
Amino Acid Sequence:	MTPSASRGPR SYPHLEGDVR WRRLEFSSTHF FLRVDPGGRV QGTRWRHGQD SILEIRSVHV GVVVIKAVSS GFYVAMNRRG RLYGSRLYTV DCRFRERIEE NGHNTYASQR WRRRGQPMFL ALDRRGGPRP GGRTRRYHLS AHFLPVLVS		
Reconstitution:	Centrifuge vial prior to opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		





Human FGF-22

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human FGF-22 is predicted have a MW of 17.3 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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