



Recombinant Human FGF-21

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-337S
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	26291
Synonyms:	FGF21

FGF-21 is a secreted 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-21, in the presence of betaKlotho as a protein cofactor, signals through the FGFR 1c and 4 receptors and stimulates insulin independent glucose uptake by adipocytes. Recombinant human FGF-21 is a 19.5 kDa protein containing 182 amino acid residues.

Sequence

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MHPIDSSPL LQFGGQVRQR YLYTDDAQQT EAHLEIREDG  
TVGGAADQSP ESLLQLKALK PGVIQILGVK TSRFLCQRPD  
GALYGSLHFD PEACSFRELL LEDGYNVYQS EAHGLPLHLP  
GNKSPHRDEA PRGPARFLPL PGLPPALPEP PGILAPQPPD  
VGSSDPLSMV GPSQGRSPSY AS
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Database References

Protein RefSeq:	NP_061986.1
Uniprot ID:	Q9NSA1
mRNA RefSeq:	NM_019113

Product Specifications

Expressed in	E. coli
Purity	> 90% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	182
MW:	19.5 kDa

Biological Activity: FGF-21, in the absence of betaKlotho, shows weak activity of thymidine uptake by BaF3 cells expressing FGF receptors.



AVOID REPEATED FREEZE AND THAW CYCLES!