Bioactive

FGF21 (Human) Recombinant Protein

Catalog # P8628 Size 25 ug

Specification

Product Description	Human FGF21 recombinant protein expressed in *Escherichia coli*.
Sequence	HPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLLQLKALKPGVIQIL GVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAP RGPARFLPLPGLPPAPPEPPGILAPQPPDVGSSDPLSMVGPSQGRSPSYAS
Host	Escherichia coli
Theoretical MW (kDa)	19.4
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 96% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED_{50} < 0.5 ug/mL, measured by thymidine uptake assay using FGF-receptors transfected BaF3 cell s, corresponding to a specific activity of > 2.0 x 10^3 IU/mg in the presence of 5 ug/mL of rMuKlotho-b eta and 10 ug/mL of heparin.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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Gene Info — FGF21

Entrez GeneID	26291
Protein Accession#	Q9NSA1
Gene Name	FGF21
Gene Alias	-
Gene Description	fibroblast growth factor 21
Omim ID	609436
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The function of this growth factor has not yet been determined. [provided by RefSeq
Other Designations	-

Pathway

- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Regulation of actin cytoskeleton

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