

Bioactive

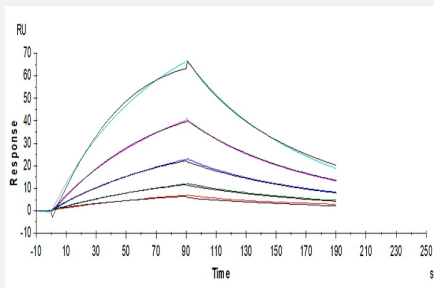
HuPro®

FGF21 (Human) Recombinant Protein

Catalog # P9941

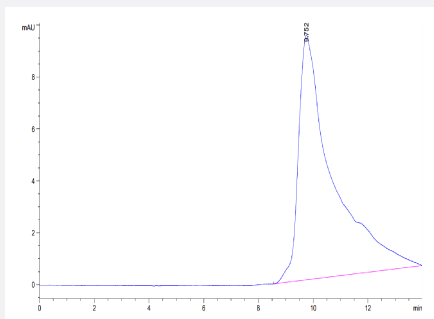
Size 100 ug

Applications



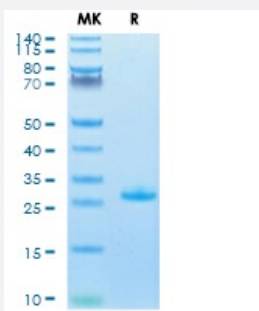
Surface Plasmon Resonance

Human FGF21, His Tag immobilized on CM5 Chip can bind Human Human Beta Klotho, His Tag with an affinity constant of 20nM as determined in a SPR assay (Biacore T200).



SEC-HPLC

The purity of Human FGF21 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human FGF21 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description

Human FGF21 (Q9NSA1-1, His29-Ser209) partial recombinant protein with His tag at N-Terminus expressed in HEK293 cells.

Sequence	His29-Ser209
Host	Human
Theoretical MW (kDa)	20.2
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The affinity constant of 20nM as determined in SPR assay (Biacore T200).
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human FGF21 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human FGF21 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity SDS-PAGE SPR The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study

- SDS-PAGE

- Surface Plasmon Resonance

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Gene Info — FGF21

Entrez GeneID	26291
Protein Accession#	Q9NSA1-1
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](#)