Bioactive

# FGF19 (Human) Recombinant Protein

Catalog # P8624 Size 25 ug

## Specification

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| **Product Description** | Human FGF19 recombinant protein expressed in *Escherichia coli*. |
| **Sequence** | MRPLAFSDAGPHVHYGWGDPIRLRHLYTSGPHGLSSCFLRIRADGVVDCARGQSAHSLLEIKAVA LRTVAIKGVHSVRYLCMGADGKMQGLLQYSEEDCAFEEEIRPDGYNVYRSEKHRLPVSLSSAKQ RQLYKNRGFLPLSHFLPMLPMVPEEPEDLRGHLESDMFSSPLETDSMDPFGLVTGLEAVRSPSF EK |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 21.8 |
| **Form** | Lyophilized |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purification** | chromatographic |
| **Purity** | > 95% as determined by (a) RP-HPLC.(b) SDS-PAGE. |
| **Activity** | $ED_{50}$ is 100-150 ng/mL, measured by the dose-dependent stimulation of the proliferation of balb/c 3 T3 cells. |
| **Storage Buffer** | Protein(1 mg/mL) was lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophil ized powder in 1X PBS 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).<br>Avoid repeated freeze/thaw cycles. |

## Applications

- Functional Study

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## Gene Info — FGF19

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|---|---|
| **Entrez GeneID** | 9965 |
| **Protein Accession#** | O95750 |
| **Gene Name** | FGF19 |
| **Gene Alias** | - |
| **Gene Description** | fibroblast growth factor 19 |
| **Omim ID** | 603891 |
| **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. This growth factor is a high affinity, heparin dependent ligand for FGFR4. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development. [provided by RefSeq |
| **Other Designations** | - |

## Pathway

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

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