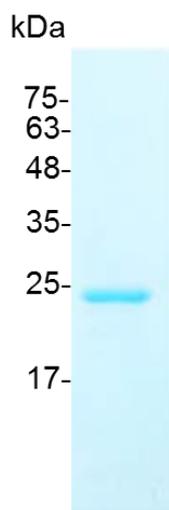


## PRODUCT INFORMATION

**FGF-19 (Fibroblast growth factor-19), Human**

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog number</b>  | C01109-5UG / C01109-20UG / C01109-100UG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Package</b>         | 5 µg / 20 µg / 100 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>     | FGF-19 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. FGF-19 is a specific ligand for FGF R4. Similarly, another FGF family member, FGF-7 (KGF), only activates KGF R, the IIIb isoform of FGF R2. During chick embryogenesis, FGF-19 has been shown to act synergistically with Wnt-8c to initiate inner ear development. |
| <b>Source</b>          | <i>Escherichia coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequence</b>        | MRPLAFSDAGPHVHYGWGDPPIRLRHLYTSGPHGLSSCFLRIRADGVVDCARG<br>QSAHSLLEIKAVLRVAIKGVHSVRYLCMGADGKMQGLLQYSEEDCAFEIEIR<br>PDGYNVYRSEKHLRPLVSLSSAKQRQLYKNRGFLPLSHFLPMLPMVPEEPEDLR<br>GHLESDMFSSPLETDSMDPFGLVTGLEAVRSPSFEK with polyhistidine tag at the C-terminus                                                                                                                                                                                                                                                                                                                     |
| <b>Endotoxin level</b> | <0.1 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Activity</b>        | Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is <51 ng/mL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>          | >95% as determined by SDS-PAGE. Ni-NTA chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Formulation</b>     | The protein was lyophilized from a solution containing 1X PBS, pH 8.0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reconstitution</b>  | It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>         | Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Note</b>            | Please use within one month after protein reconstitution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



SDS-PAGE analysis of recombinant human FGF-19

For Research Use Only.