

## Product Datasheet

### Recombinant FGF-21, Mouse (orb1494880)

<b>Description</b>	Fibroblast growth factor-21 (FGF21) belongs to the large FGF family which has at least 23 members. Along with FGF-19/15 and FGF-23, FGF-21 is categorized as a member of the atypical FGF subfamily, as it must be complexed to the Klotho co-receptor in order to bind to the FGF receptors and activate the downstream signaling pathway. 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. Recombinant Mouse Fibroblast Growth Factor-21 (FGF-21) produced in E.coli is a single non-glycosylated polypeptide chain containing 182 amino acids. A fully biologically active molecule, rmFGF-21 has a molecular mass of 19.9 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.
<b>Endotoxins</b>	< 0.2 EU/μg, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant Mouse Fibroblast Growth Factor-21 (FGF-21), remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Mouse FGF-21 should be stable up to 1 week at 4°C or up to 3 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 μg/ml.
<b>Protein Sequence</b>	AYP IPDSSPLLQF GGQVRQRYLY TDDDQDTEAH LEIREDGTVV GAAHRSPESL LELKALKPGV IQILGVKASR FLCQQPDGAL YGSPHFDPEA CSFRELLED GYNVYQSEAH GLPLRLPQKD SPNQDATSWG PVRFLPMPGL LHEPQDQAGF LPPEPPDVGS SDPLSMVEPL QGRSPSYAS
<b>Purity</b>	> 97% as analyzed by SDS-PAGE & HPLC.
<b>Source</b>	Escherichia coli.

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**MW** 19.9 kDa, observed by reducing SDS-PAGE.

**Expiration Date** 6 months from date of receipt.

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