

Recombinant Mouse Fgf21, His-tagged

Cat. No. Fgf21-503M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Total 192 AA. Mw: 21.2 kDa (calculated). N-terminal His-tag, 10 extra AA (highlighted).
Species	Mouse
Source	E.coli
Description	Fibroblast growth factor 21 is a protein that in humans is encoded by the FGF21 gene. 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.
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 20mM NaCl, pH 7.5.
Purity	Purity>95%
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. Add DTT (0.2 mM) and NaCl (0.1-0.15 M) before freezing to prevent potential aggregation.
Applications	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

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protein; LAL to determine quantity of endotoxin

Sequences of amino acids

MKHHHHHHAS AYPIDSSPL LQFGGQVRQR YLYTDDDQDT EAHLEIREDG
 TVVGAHRSP ESLLLELKALK PGVIQILGVK ASRFLCQQPD GALYGSPHFD
 PEACSFRELL LEDGYNVYQS EAHGLPLRLP QKDSPNQDAT SWGPVRFPLM
 PGLLHEPQDQ AGFLPPEPPD VGSSDPLSMV EPLQGRSPSY AS

Storage

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name [Fgf21 fibroblast growth factor 21 \[Mus musculus \]](#)

Official Symbol [Fgf21](#)

Synonyms Fgf21; fibroblast growth factor 21

Gene ID [56636](#)

mRNA Refseq [NM_020013](#)

Protein Refseq [NP_064397](#)

UniProt ID [Q9JJN1](#)

Chromosome Location 7B2

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Pathway	ESC Pluripotency Pathways; MAPK signaling pathway; Melanoma; Pathways in cancer; Regulation of Actin Cytoskeleton; Regulation of actin cytoskeleton
Function	growth factor activity

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