

## Active Recombinant Mouse Fgf23

**Cat. No.** Fgf23-27M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant murine FGF-23 is a 25.5 kDa globular protein containing 228 amino acid residues.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	This gene encodes a member of the fibroblast growth factor family. The encoded protein regulates phosphate homeostasis and vitamin D metabolism. Mutation of the related gene in humans causes autosomal dominant hypophosphatemic rickets (ADHR). The secreted protein is further cleaved into N- and C-terminal chains, which results in loss of function.
<b>Bio-activity</b>	Determined by its ability to stimulate the proliferation of murine NIH-3T3 cells. The expected ED50 for this effect is 0.3-0.5 µg/ml, in the presence of murine Klotho and heparin.
<b>Molecular Mass</b>	25.5 kDa
<b>AA Sequence</b>	MYPDTSPLLG SNWGLTHLY TATARTSYHL QIHRDGHVDG TPHQTIYSAL MITSEDAGSV VITGAMTRRF LCMDLHGNIF GSLHFSPENC KFRQWTLENG YDVYLSQKHH YLVSLGRAKR IFQPGTNPPP FSQFLARRNE VPLLHFYTVR PRRHTRSAED PPERDPLNVL KPRPRATPVP VSCSRELPSE EEGGPAASDP LGVLRGRGD ARGGAGGADR CRPFPRFV

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**Purity** Greater than 95% by SDS-PAGE gel and HPLC analyses.

## GENE INFORMATION

**Gene Name** Fgf23 fibroblast growth factor 23 [ *Mus musculus* (house mouse) ]

**Official Symbol** Fgf23

**Synonyms** Fgf23; fibroblast growth factor 23; fibroblast growth factor 23; FGF-23

**Gene ID** [64654](#)

**mRNA Refseq** [NM\\_022657](#)

**Protein Refseq** [NP\\_073148](#)

**UniProt ID** Q9EPC2

**Chromosome Location** 6 F3; 6

**Pathway** Activated point mutants of FGFR2; DAP12 interactions; Downstream signal transduction

**Function** fibroblast growth factor receptor binding; growth factor activity; protein binding

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