

## Recombinant Mouse Fgf23 protein, His & T7-tagged

Cat. No. Fgf23-834M    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Fgf23 aa. (Tyr25~Val251 (Accession # Q9EPC2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Tyr25~Val251
<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>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 29.1kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 9.8.

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

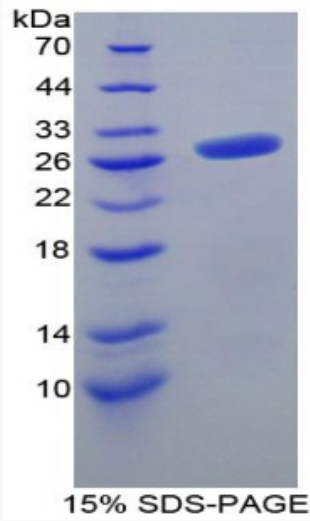
<b>Gene Name</b>	Fgf23 fibroblast growth factor 23 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Fgf23
<b>Synonyms</b>	FGF-23; fibroblast growth factor 23
<b>Gene ID</b>	64654
<b>mRNA Refseq</b>	NM_022657.4
<b>Protein Refseq</b>	NP_073148.1
<b>UniProt ID</b>	Q9EPC2

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SDS-PAGE



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