

Recombinant Mouse Fgf23 protein, His & T7-tagged

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

SPECIFICATION

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

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

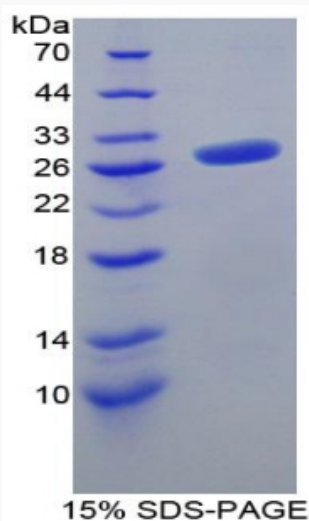
Gene Name	Fgf23 fibroblast growth factor 23 [Mus musculus (house mouse)]
Official Symbol	Fgf23
Synonyms	FGF-23; fibroblast growth factor 23
Gene ID	64654
mRNA Refseq	NM_022657.4
Protein Refseq	NP_073148.1
UniProt ID	Q9EPC2

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SDS-PAGE



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