Recombinant Mouse Fibroblast Growth Factor 23, Fc Chimera

Cat. No. Fgf23-417M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse FGF-23 (aa 1-251) produced in*HEK 293 cells*are fused at the C-terminus to the Fc portion of human IgG.
Species	Mouse
Source	Human Cells
ProteinLength	1-251 a.a.
Description	FGF-23 is a member of the fibroblast growth factor (FGF) family. FGF-23 inhibits renal tubular phosphate transport. This gene was identified by its mutations associated with autosomal dominant hypophosphatemic rickets (ADHR), an inherited phosphate wasting disorder. Abnormally high level expression of FGF23 was found in oncogenic hypophosphatemic osteomalacia (OHO), a phenotypically similar disease caused by abnormal phosphate metabolism. Mutations FGF23 have also been shown to cause familial tumoral calcinosis with hyperphosphatemia.
Source/Host	HEK 293 cells.
Purity	≥90% (SDS-PAGE).
Formulation	Liquid. 0.2μm-filtered solution in PBS.
Endotoxin Content	<1EU/μg protein (LAL-test).

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Long Term Storage	-20°C.
Use/Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Handling	Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -20°C.

GENE INFORMATION

Gene Name	Fgf23 fibroblast growth factor 23 [Mus musculus]
Synonyms	fibroblast growth factor 23; Fgf23; FGF-23
Gene ID	64654
mRNA Refseq	NM_022657
Protein Refseq	NP_073148
UniProt ID	Q9EPC2
Chromosome Location	6 F3
Pathway	MAPK signaling pathway; Melanoma; Pathways in cancer; Regulation of actin cytoskeleton
Function	type 1 fibroblast growth factor receptor binding; fibroblast growth factor receptor binding; growth factor activity; protein binding

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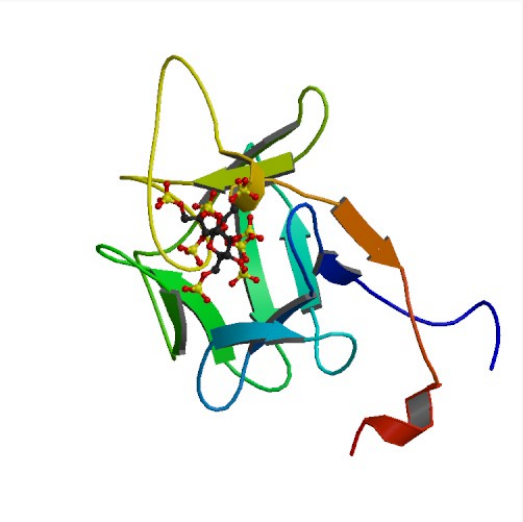
PDB rendering based on 2p39.



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