Recombinant Human Fibroblast Growth Factor 23, Fc Chimera

Cat. No. FGF23-416H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGF-23 (aa 1-251) produced in*HEK 293 cells*are fused at the C-terminus to the Fc portion of human IgG.
Species	Human
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.
Concentration	1mg/ml.

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Endotoxin Content	<1EU/μg protein (LAL-test).
Long Term Storage	-20°C.
Use/Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Handling	After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	FGF23 fibroblast growth factor 23 [Homo sapiens]
Synonyms	FGF23; fibroblast growth factor 23; ADHR; HYPF; HPDR2; PHPTC; FGF-23; Tumor-derived hypophosphatemia-inducing factor; Phosphatonin; UNQ3027/PRO9828; Fibroblast growth factor 23 N-terminal peptide; Fibroblast growth factor 23 C-terminal peptide; tumor-derived hypophosphatemia inducing factor
Gene ID	8074
mRNA Refseq	NM_020638
Protein Refseq	NP_065689
MIM	605380
UniProt ID	Q9GZV9
Chromosome Location	12p13.3
Pathway	MAPK signaling pathway; Melanoma; Pathways in cancer; Regulation of actin

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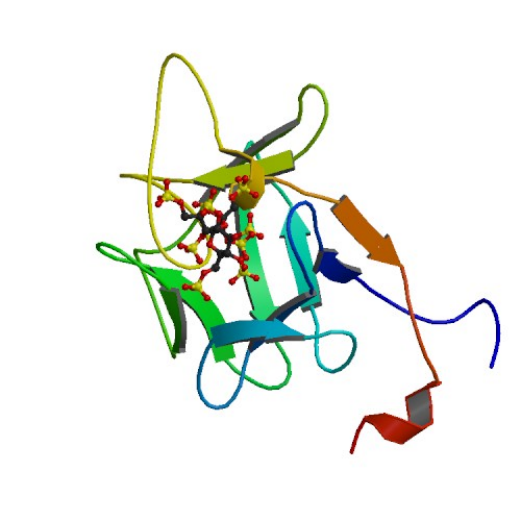
	cytoskeleton; Signaling by FGFR
Function	growth factor activity
PDB rendering based on 2p39.	

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