

Recombinant Full Length Human FGF23 Protein, C-Flag-tagged

Cat. No. FGF23-1113HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FGF23 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the fibroblast growth factor family of proteins, which possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. The product of this gene regulates phosphate homeostasis and transport in the kidney. The full-length, functional protein may be deactivated via cleavage into N-terminal and C-terminal chains. Mutation of this cleavage site causes autosomal dominant hypophosphatemic rickets (ADHR). Mutations in this gene are also associated with hyperphosphatemic familial tumoral calcinosis (HFTC).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	25.3 kDa
AA Sequence	MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSWSGGLIHLYTATARNSYHLQIH KNGHVDGAPHQTIY SALMIRSEDAGFVVITGVMSRRYLCMDFRGNIFGSHYFDPEN CRFQHQTLENGYDVYHSPQYHFLVSLGR AKRAFLPGMNPYPYSQFLSRRNEIPLIH FNTPIPRRHTRS AEDDSERDPLNVLKPRARMTPAPASCSQEL PSAEDNSPMASDPLGVVRGGRVNT HAGGTGPEGCRPFAKFITRTRPLEQKLISEED

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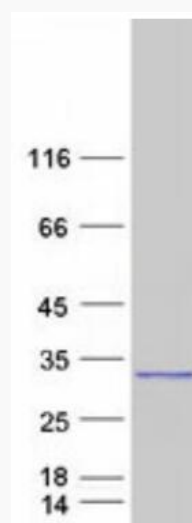
	LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton
Full Length	Full L.
GENE INFORMATION	
Gene Name	FGF23 fibroblast growth factor 23 [Homo sapiens (human)]
Official Symbol	FGF23
Synonyms	ADHR; FGFN; HYPF; HFTC2; HPDR2; PHPTC
Gene ID	8074

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mRNA Refseq	NM_020638.3
Protein Refseq	NP_065689.1
MIM	605380
UniProt ID	Q9GZV9



Coomassie blue staining of purified FGF23 protein.

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