

Recombinant Human FGF23 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FGF23-3431H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FGF23 MS Standard C13 and N15-labeled recombinant protein (NP_065689) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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).
Molecular Mass	28 kDa
AA Sequence	MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSWGGLIHLTYTATARNSYHLQIH KNGHVDGAPHQTIYSALMIRSEDAGFVVITGVMSRRYLCMDFRGNIFGSHYFDPEN CRFQHQTLENGYDVYHSPQYHFLVSLGRAKRAFLPGMNPYPYSQFLSRRNEIPLIHF NTPIPRRHTRSAEDDSERDPLNVLKPRARMTPAPASCSQELPSAEDNSPMASDPLG VVRGGRVNTHAGGTGPEGCRPFAKFITRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

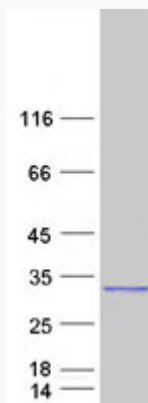
GENE INFORMATION

Gene Name	FGF23 fibroblast growth factor 23 [Homo sapiens (human)]
Official Symbol	FGF23
Synonyms	FGF23; fibroblast growth factor 23; ADHR; FGFN; HYPF; HFTC2; HPDR2; PHPTC; fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor
Gene ID	8074
mRNA Refseq	NM_020638
Protein Refseq	NP_065689
MIM	605380
UniProt ID	Q9GZV9

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SDS-PAGE

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