

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	MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSSWGGLIHLTYTATARNSYHLQIH KNGHVVDGAPHQTIY SALMIRSEDAGFVVITGVMSRRYLCMDFRGNIFGSHYFDPEN CRFQHQTLLENGYDVYHSPQYHFLVSLGR AKRAFLPGMNPYPYSQFLSRRNEIPLIH FNTPIPRRHTRS AEDDSERDPLNVLKPRARMT P APASCSQEL PSAEDNSPMASDPLGVVRGGRVNT H AGGTGPEGCRPFAKFITRTRPLEQKLISEED

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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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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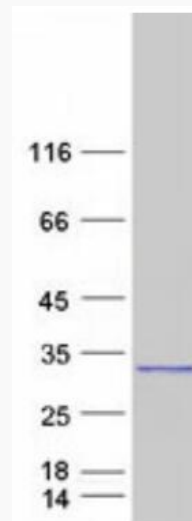
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mRNA Refseq [NM_020638.3](#)

Protein Refseq [NP_065689.1](#)

MIM [605380](#)

UniProt ID [Q9GZV9](#)



Coomassie blue staining of purified FGF23 protein.

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