

Recombinant Full Length Human FGF23 Protein, GST-tagged

Cat. No. FGF23-4824HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGF23 full-length ORF (NP_065689.1, 1 a.a. - 251 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	251 amino acids
Description	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The product of this gene 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 this gene was found in oncogenic hypophosphatemic osteomalacia (OHO), a phenotypically similar disease caused by abnormal phosphate metabolism. Mutations in this gene have also been shown to cause familial tumoral calcinosis with hyperphosphatemia. [provided by RefSeq]
Molecular Mass	54.4 kDa
AA Sequence	MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSSWGGLIHLTYTATARNSYHLQIH KNGHVDGAPHQTIYSALMIRSEDAGFVVITGVMSRRYLCMDFRGNIFGSHYFDPEN

 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

CRFQHQTLENGYDVYHSPQYHFLVSLGRAKRAFLPGMNPPPYSQLSRRNEIPLIHF
 NTPIPRRHTRSAEDDSERDPLNVLKPRARMTPAPASCSQELPSAEDNSPMASDPLG
 VVRGGRVNTHAGGTGPEGCRPFAKFI

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

FGF23 fibroblast growth factor 23 [Homo sapiens]

Official Symbol

FGF23

Synonyms

FGF23; fibroblast growth factor 23;

Gene ID

8074

mRNA Refseq

NM_020638

Protein Refseq

NP_065689

MIM

605380

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UniProt ID

Q9GZV9

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