

Recombinant Full Length Human FGF23 Protein, GST-tagged

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

SPECIFICATION

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| 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 | <p>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]</p> |
| Molecular Mass | 54.4 kDa |
| AA Sequence | MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSSWGGLIHLTYTATARNSYHLQIH KNGHVDGAPHQTIYSALMIRSEDAGFVVITGVMSRRYLCMDFRGNIFGSHYFDPEN |

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CRFQHQTLENGYDVYHSPQYHFLVSLGRAKRAFLPGMNPPPYSQLSRRNEIPLIHF
 NTPIPRRHTRSAEDDSERDPLNLVKPRARMTPAPASCSQELPSAEDNSPMASDPLG
 VVRGGRVNTHAGGTGPEGCRPFAKFI

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| 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

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|------------------------|--|
| 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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