FGF23 (Human) Recombinant Protein

Catalog # P8639 Size 2 x 10 ug

Specification

Product Description	Human FGF23 partial recombinant protein with His tag in C-terminus expressed in Insect cells.
Sequence	ADPYPNASPLLGSSWGGLIHLYTATARNSYHLQIHKNGHVDGAPHQTIYSALMIRSEDAGFVVITGV MSRRYLCMDFRGNIFGSHYFDPENCRFQHQTLENGYDVYHSPQYHFLVSLGRAKRAFLPGMNPP PYSQFLSRRNEIPLIHFNTPIPRRHTRSAEDDSERDPLNVLKPRARMTPAPASCSQELPSAEDNSP MASDPLGVVRGGRVNTHAGGTGPEGCRPFAKFIHHHHHH
Host	insect
Theoretical MW (kDa)	26.4
Form	Liquid
Preparation Method	Insect cells expression system
Purification	chromatographic
Purity	> 90% as determined by SDS-PAGE.
Storage Buffer	Solution (0.25 mg/mL) in 1X PBS, pH 7.4 , 10% glycerol, 2 mM DTT,1mM EDTA.
Storage Instruction	Store at 4°C for 2-4 weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — FGF23

Entrez GeneID	8074

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Protein Accession#	Q9GZV9
Gene Name	FGF23
Gene Alias	ADHR, HPDR2, HYPF, PHPTC
Gene Description	fibroblast growth factor 23
Omim ID	193100 211900 605380
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	tumor-derived hypophosphatemia inducing factor

Pathway

- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Regulation of actin cytoskeleton

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Hypercalcemia
- Hypercalciuria
- Metabolic Syndrome X

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- Neoplasms
- Osteoporosis
- Tobacco Use Disorder

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