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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

FGF23 (Human) Recombinant Protein

Catalog Number: P8637

Regulation Status: For research use only (RUO)

Product Description: Human FGF23 recombinant protein with His tag in C-terminus expressed in *Escherichia coli*.

Sequence:
MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSSW
GGLIHLYTATARNSYHLQIHKNGHVDGAPHQTIYSALMI
RSEDAGFVVITGVMSRRYLCMDFRGNIFGSHYFDPEN
CRFQHQTLENGYDVYHSPQYHFLVSLGRAKRAFLPG
MNPPPYSQFLSRRNEIPLIHFNTPIPRRHTRSAEDDSE
RDPLNVLKPRARMTPAPASCSQELPSAEDNSPMASD
PLGVVRGGRVNTHAGGTGPEGCRPFAKFIHHHHHH

Host: Escherichia coli

Theoretical MW (kDa): 28.6

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Lyophilized

Preparation Method: *Escherichia coli* expression system

Purification: chromatographic

Purity: > 90% as determined by (a) RP-HPLC.(b) SDS-PAGE.

Activity: Treatment with hrFGF23 has been shown to induce FGFR mediated Erk phosphorylation, reduce plasma PTH levels in rats and to reduce blood phosphate levels.

Storage Buffer: Protein (0.5 mg/mL) was lyophilized from a solution containing 25mM Tris, pH 7.5, 0.6M NaCl. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.

Storage Instruction: Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4°C for 2-7 days 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.

Entrez GeneID: 8074

Gene Symbol: FGF23

Gene Alias: ADHR, HPDR2, HYPF, PHPTC

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]