Active Recombinant Human FGF23 Protein

Cat. No. FGF23-036H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human FGF-23 protein consists of 148 amino acids (25-251) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	25-251 a.a.
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).
Bio-activity	Measured in a cell proliferation assay using 4MBr-5 rhesus monkey epithelial cells. The ED50 for this effect is 50-300 ng/mL.
Molecular Mass	26 kDa
Product-Related Proteins	25-251

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Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

Gene Name	FGF23 fibroblast growth factor 23 [Homo sapiens (human)]
Official Symbol	FGF23
Synonyms	FGF23; fibroblast growth factor 23; ADHR; FGFN; HYPF; HFTC2; HPDR2; PHPTC; fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor
Gene ID	8074
mRNA Refseq	NM_020638
Protein Refseq	NP_065689
MIM	605380
UniProt ID	Q9GZV9

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