

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

## GENE INFORMATION

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

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