

RP00366

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# Recombinant Human FGF23 Protein

Catalog No.: RP00366

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	8074	Q9GZV9

### Tags

C-6×His

### Synonyms

FGF23;ADHR;FGFN;HPDR2;HYPF;PHPTC

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM EDTA, 2 mM DTT, pH7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

This protein belongs 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).

## Basic Information

### Description

Recombinant Human FGF23 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Tyr25-Ile251) of human FGF23 (Accession #Q9GZV9) fused with a 6×His tag at the C-terminus.

### Bio-Activity

Measured in a cell proliferation assay using BaF3 mouse pro-B cells transfected with human FGF RIIIc. The ED<sub>50</sub> for this effect is 0.1-0.4 μg/mL in the presence of Recombinant Mouse Klotho and heparin.

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

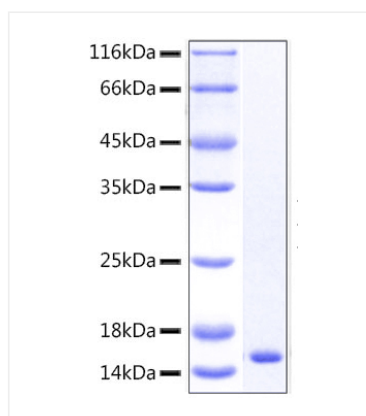
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant protein Human FGF23 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 16 kDa.