# Recombinant Human FGF23(Arg179Gln) Protein(His Tag)

**Catalog Number: PDMH100467**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

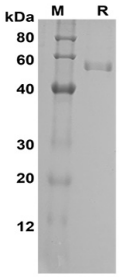
## Description

| | |
|---|---|
| **Species** | Human |
| **Source** | Mammalian-derived Human FGF23 proteins Tyr25-Ile251(Arg179Gln), with an C-terminal His |
| **Calculated MW** | 24.8 kDa |
| **Observed MW** | 55 kDa |
| **Accession** | Q9GZV9 |
| **Bio-activity** | Not validated for activity |

## Properties

| | |
|---|---|
| **Purity** | > 95% as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU/mg of the protein as determined by the LAL method |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months. |
| **Shipping** | This product is provided as lyophilized powder which is shipped with ice packs. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis. |

## Data




SDS-PAGE analysis of Human FGF23 proteins, 2μg/lane of Recombinant Human FGF23 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 55 KD

## Background

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).