

### **Recombinant Human FGF-23**

Catalog # PBG10098

# Specification

### Recombinant Human FGF-23 - Product Information

#### Recombinant Human FGF-23 - Additional Information

## **Description**

The FGF family plays a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-23, FGF-21 and FGF-19 constitute an atypical FGF subfamily whose ligands act as circulating hormones and require the participation of a <em>Klotho</em> protein as a co-receptor for their signaling. FGF-23 is a bone-derived hormone that acts in the kidney to regulate phosphate homeostasis and vitamin D metabolism. The signaling receptor for FGF-23, a Klotho-FGFR1 (IIIc) complex, is an essential regulator of the renal sodium phosphate co-transporter and key vitamin D-metabolizing enzymes CYP27B1 and CYP24A1. Recombinant human FGF-23 is a 22.5 kDa globular protein containing 228 amino acid residues.

## **Biological**Activity

Testing in Progress.

# **Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

### Endotoxin

Endotoxin level is  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

### **Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

## **Storage**

-20°C

### **Precautions**

Recombinant Human FGF-23 is for research use only and not for use in diagnostic or therapeutic procedures.

## **Recombinant Human FGF-23 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation





• Flow Cytomety
• Cell Culture
Recombinant Human FGF-23 - Images