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# 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 Klotho 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.

**BiologicalActivity**
Testing in Progress.

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

**Endotoxin**
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**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**