

## PRODUCT DATA SHEET

### Fibroblast Growth Factor 23 Human, Rabbit Polyclonal Antibody

**Cat. No.:** RD181109100-01

**Size:** 0.1 mg

**Source of Antigen:** E. coli

**Type:** Polyclonal Antibody

**Host:** Rabbit

**Other Names:**

Phosphatonin, Tumor-derived hypophosphatemia-inducing factor, FGF23, HYPF, UNQ3027/PRO9828

**Preparation:**

The antibody was raised in rabbits by immunization with the recombinant Human FGF-23.

**Amino Acid Sequence of Immunogen:**

The immunization antigen (27 kDa) is a protein containing 227 AA of recombinant Human FGF-23 and 16 additional amino acid residues – HisTag (highlighted).

MRGSHHHHHH GMASHMYPNA SPLLGSSWGG LIHLYTATAR NSYHLQIHKH  
GHVDGAPHQT IYSALMIRSE DAGFVVITGV MSRRYLCMDF RGNIFGSHYF DPENCRFQHQ  
TLENGYDVYH SPQYHFLVSL GRAKRAFLPG MNPPYSQFL SRRNEIPLIH FNTPIPRRHT  
RSAEDDSERD PLNVLKPRAR MTPAPASCSQ ELPSAEDNSP MASDPLGVVR  
GGRVNTHAGG TGPEGCRPFA KFI

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized \*\*recombinant Human FGF-23 C-terminal peptide\*\*.

**Species Reactivity:**

Human. Not yet tested in other species.

**Antibody Content:**

0.1 mg (determined by BCA method, BSA was used as a standard)

**Formulation:**

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. \*\*AZIDE FREE\*\*.

**Reconstitution:**

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

Western blotting

**Note:**

This product is for research use only.