



## Recombinant Mouse Fibroblast Growth Factor 23 (FGF23)

Catalog No.: TP09591 50µg

### Sequence Information

**Species:** Mouse

**Swiss Prot:** Q9EPC2

**Gene ID:** 64654

**Synonyms:** ADHR; HYPF; HPDR2;  
PHPTC; Phosphatonin;  
Tumor-derived  
hypophosphatemia-inducing  
factor

**Residues:** Tyr25~Val251

YPDTSPLLGSNWGSLTHLYTATARTSYHLQIHRDGHVDGTPHQTIYSALMITSEDAGSVVITGAMTRRFLCMDLHGNIIF  
GSLHFSPENCKFRQWTLNGYDVYLSQKHHLVSLGRAKRIFQPGTNPPPFSQLARRNEVPLLHFYTVRPRRHTRSAE  
DPPERDPLNVLKPRPRATPVPVSCSRELPSAEEGGPAASDPLGLVLRGRGDARGGAGGADRCRPFPRFV

### Product Information

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Tags:** N-terminal His-Tag

**Subcellular Location:** Secreted.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS (PH7.4) , containing 5% Trehalose.

**Original Concentration:** 400µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 9.8

**Predicted Molecular Mass:** 28.7kDa

**Accurate Molecular Mass:** 30kDa as determined by SDS-PAGE reducing conditions.

### [ USAGE ]

Reconstitute in PBS (pH7.4) to a concentration of 0.1-0.5 mg/mL. Do not vortex.

### [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ IDENTIFICATION ]**