

Recombinant Human FGF23 Protein, His&GST-tagged

Cat. No. FGF23-1492H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF23 Protein (Tyr25-Ile251) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Tyr25-Ile251
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.9 kDa Accurate Molecular Mass: 58 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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 centigrade 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	FGF23 fibroblast growth factor 23 [Homo sapiens (human)]
Official Symbol	FGF23
Synonyms	FGF23; fibroblast growth factor 23; ADHR; FGFR; HYPF; HPTC2; HPDR2; PHPTC; fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor
Gene ID	8074
mRNA Refseq	NM_020638
Protein Refseq	NP_065689
MIM	605380
UniProt ID	Q9GZV9

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