

Recombinant Rat Fgf23 protein, His-tagged

Cat. No. Fgf23-903R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fgf23(aa 25-251) fused with His tag was expressed in Yeast.
Species	Rat
Source	Yeast
ProteinLength	25-251 a.a.
Description	FGF23 is 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).
Form	20 mM Tris, pH 8.0, 500 mM NaCl, 50% glycerol
Molecular Mass	27.5 Kd
AA Sequence	YSDTSPLLGS NWGSLTHLYT ATARNSYHLQ IHRDGHVDGTPHQTIYSALM ITSEDAGSVV IIGAMTRRFL CMDLRGNIFGSYHFSPENCR FRQWTLNGY DVYLSPKHHY LVSLGRSKRIFQPGTNPPPF SQFLARRNEV PLLHFYTARP RRHTRSAEDPPERDPLNVLK PRPRATPIPV SCSRELPSAE EGGPAASDPLGVLRRGRGDA RRGAGGTDRG RPFPRFV

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Storage Long term: -80 centigrade; Short term: -20 centigrade. Avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name Fgf23 fibroblast growth factor 23 [*Rattus norvegicus*]

Official Symbol Fgf23

Synonyms FGF23; fibroblast growth factor 23; FGF-23;

Gene ID 170583

mRNA Refseq NM_130754

Protein Refseq NP_570110

MIM

UniProt ID Q8VI82

Chromosome Location 4q42

Pathway Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1c and Klotho ligand binding and activation, organism-specific biosystem; FGFR1c ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem; FGFR2c ligand binding and activation, organism-specific biosystem;

Function fibroblast growth factor receptor binding; fibroblast growth factor receptor binding; growth factor activity; type 1 fibroblast growth factor receptor binding; type 1 fibroblast

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growth factor receptor binding;

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