

FGF-23 Protein, Rat, Recombinant (E. coli, His)

General Information

Synonyms:	Fibroblast growth factor 23;Fgf23;FGF-23
Protein Construction:	25-251 aa
Species:	Rat
Expression Host:	E. coli
Accession:	Q8VI82
Molecular Weight:	29.5 kDa (predicted)
AA Sequence:	YSDTSPLLGSNWGSLTHLYTATARN SYHLQIHRDGHVDGTPHQTIYSALMITSEDAGSVVIIGAMTRRFLCMD LRGNIFGSYHFSPENCRFRQWTLNENGYDLYLSPKHHYLVSLGRSKRIFQPGTNPPPFSSQFLARRNEVPLLHFY TARPRRHTRSAEDPPPERDPLNVLKPRPRATPIPVSCSRELPSAEEGGPAASDPLGVLRRRGRGDARRGAGGTD RCRPFPRFV

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Regulator of phosphate homeostasis. Inhibits renal tubular phosphate transport by reducing SLC34A1 levels. Regulator of vitamin-D metabolism. Negatively regulates osteoblasts differentiation and matrix mineralization. Acts directly on the parathyroid to decrease PTH secretion. Upregulates EGR1 expression in the presence of KL.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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