



# Recombinant Rat Fibroblast growth factor 23 (Fgf23)

<b>Product Code</b>	CSB-MP008629RA
<b>Abbreviation</b>	Fgf23
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8VI82
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	YSDTSPLLGSNWGSLTHLYTATARN SYHLQIHRDGHVDGTPHQTIYSALMITSE DAGSVVIIGAMTRRFLCMDLRGNIFGSYHFSPENCRFRQWTLLENGYDVYLSPK HHYLVSLGRSKRIFQPGTNPPPF SQFLARRNEVPLLHFYTARPRRHTRSAEDP PERDPLNVLKPRPRATPIPVSCSRELPSAEEGGPAASDPLGVLRGRGDARR GAGGTDRCRPFPRFV
<b>Research Area</b>	Others
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Fgf23
<b>Protein Names</b>	Recommended name: Fibroblast growth factor 23 Short name= FGF-23
<b>Expression Region</b>	25-251aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The product of this gene inhibits renal tubular phosphate transport. This gene was identified by its mutations associated with autosomal dominant hypophosphatemic rickets (ADHR), an inherited phosphate wasting disorder. Abnormally high level expression of this gene was found in oncogenic hypophosphatemic osteomalacia (OHO), a phenotypically similar disease caused by abnormal phosphate metabolism. Mutations in this gene have also been shown to cause familial tumoral calcinosis with hyperphosphatemia.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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