

Recombinant Active Human FGF23 Protein, His-tagged(C-ter)

Cat. No. FGF23-83H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human FGF23 Protein with His tag (C-ter) was expressed in E. coli.
Species	Human
Source	E.coli
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). [provided by RefSeq, Feb 2013]
Form	Powder
Bio-activity	Determined by its ability to induce proliferation in BaF3 mouse pro-B cells transfected with human FGFR3c. The ED50 for this effect is < 0.3 µg/mL.
AA Sequence	MYPNASPLLGSWGGLIHLTYTATARNSYHLQIHKNGHVDGAPHQTIYSALMIRSEDA GFVVITGVMSRRYLCMDFRGNIFGSHYFDPENCRFQHQTLENGYDVYHSPQYHFLV SLGRAKRAFLPGMNPPYSQFLSRRNEIPLIHFNTPIRRHTRSAEDDSERDPLNVLK PRARMTPAPASCSQELPSAEDNSPMASDPLGVVRGGRVNTHAGGTGPEGCRPFA

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	KFI
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

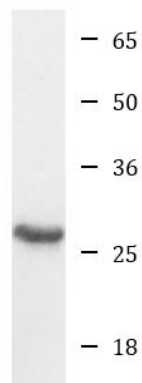
GENE INFORMATION

Gene Name	FGF23 fibroblast growth factor 23 [Homo sapiens]
Official Symbol	FGF23
Synonyms	FGF23; fibroblast growth factor 23;
Gene ID	53406

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SDS-PAGE

Human FGF23
recombinant protein

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