

Active Recombinant Human FGF22 protein, His-tagged

Cat. No. FGF22-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF22(Thr23-Ser170) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	23-170 a.a.
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µm filtered solution in MES, Na2SO4, EDTA, Sucrose and DTT with BSA as a carrier protein.
Bio-activity	Measured in a cell proliferation assay using 4MBr-5 rhesus monkey epithelial cells. Rubin, J.S. et al. (1989) Proc. Natl. Acad. Sci. USA 86:802. The ED50 for this effect is typically 50-300 ng/mL.
Molecular Mass	18 kDa
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane

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Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	FGF22 fibroblast growth factor 22 [Homo sapiens]
Official Symbol	FGF22
Synonyms	FGF22; fibroblast growth factor 22; FGF-22;
Gene ID	27006
mRNA Refseq	NM_020637
Protein Refseq	NP_065688
MIM	605831
UniProt ID	Q9HCT0
Chromosome Location	19p13.3
Pathway	Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and

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activation, organism-specific biosystem; FGFR1b ligand binding and activation,
organism-specific biosystem;

Function

growth factor activity;

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