

Active Recombinant Human FGF23 Protein (Tyr25-Ile251), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF23-298H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF23 Protein (Tyr25-Ile251) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Tyr25-Ile251
Description	Fibroblast Growth Factors-23 (FGF-23) is a 28 kDa member of the fibroblast Growth Factors with 251 amino acid residues. FGF-23 is expressed from brain, hepatic stellate cells, cone photoreceptor cells, early spermatids. FGF-23 involved phosphate metabolism and vitamin D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in BaF3 cells transfected with human FGFR3c. The ED50 for this effect is < 0.3 µg/mL.
Molecular Mass	The protein has a calculated MW of 26.27 kDa. The protein migrates as 26 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/µg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	FGF23 fibroblast growth factor 23 [Homo sapiens (human)]
Official Symbol	FGF23
Synonyms	FGF23; fibroblast growth factor 23; ADHR; FGFN; HYPF; HFTC2; HPDR2; PHPTC; fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor
Gene ID	8074
mRNA Refseq	NM_020638
Protein Refseq	NP_065689

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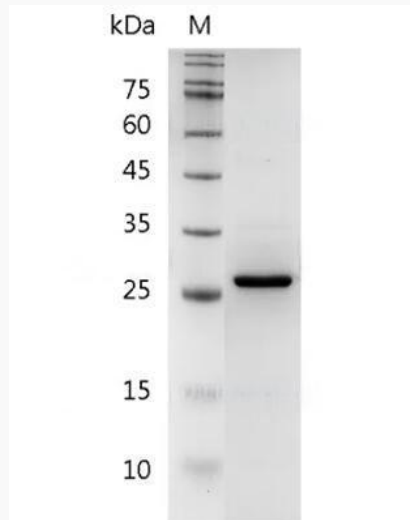
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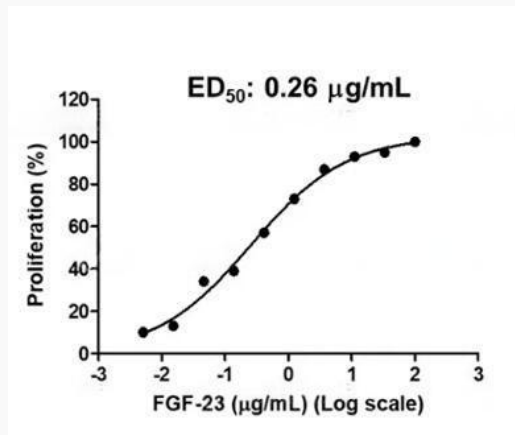
MIM 605380

UniProt ID Q9GZV9

**SDS-PAGE analysis
of recombinant
human FGF-23.**



Activity



Human FGF-23, His Tag, E. coli (LDG087PHE) induced proliferation in BaF3 cells transfected with human FGFR3c, with the ED₅₀ at 0.26 µg/mL.

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