

Fibroblast growth factor 23 protein (FGF23) Active Protein | FGF23 active protein

Recombinant Human Fibroblast growth factor 23 protein (FGF23) (Active)

CATALOG #
AAA114242

HOST
E Coli

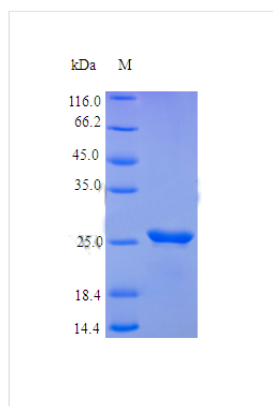
PRODUCT SYNONYMS

Fibroblast growth factor 23 protein (FGF23); Recombinant Human Fibroblast growth factor 23 protein (FGF23) (Active); FGF-23; Tumor-derived hypophosphatemia-inducing factor;; FGF23 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized
Sequence Positions	25-251aa
Sequence	YPNASPLLGS SWGGLIHLTY ATARNSYHLQ IHKNGHVDGA PHQTIYSALM IRSEDAGFVV ITGVMSRRYL CMDFRGNIFG SHYFDPENCR FQHQTLENGY DVIHSPQYHF LVSLGRAKRA FLPGMNPPPY SQFLSRNEI PLIHFNTPIP RRHTRSAEDD SERDPLNVLK PRARMTPAPA SCSQELPSAE DNSPMASDPL GVVRGGRVNT HAGGTGPEGC RPFACFI
Sequence Length	251
Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5 ug/ml, corresponding to a specific activity of $> 2.0 \times 10^3$ IU/mg in the presence of 0.3 ug/ml of rMuKlotho and 10 ug/ml of heparin.
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Protein Note	Protein will be provided with aseptic processing and endotoxin removal.
Preparation and Storage	Generally, the shelf life of liquid form is 6 months at -20/-80 degree C. The shelf life of lyophilized form is 12 months at -20/-80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FGF23 active protein	Regulator of phosphate homeostasis. Inhibits renal tubular phosphate transport by reducing SLC34A1 levels. Upregulates EGR1 expression in the presence of KL (By similarity). Acts directly on the parathyroid to decrease PTH secretion (By similarity). Regulator of vitamin-D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization. {ECO:0000250, ECO:0000269 PubMed:11062477, ECO:0000269 PubMed:11409890, ECO:0000269 PubMed:15040831, ECO:0000269 PubMed:16597617, ECO:0000269 PubMed:18282132}.
Product Categories/Family for FGF23 active protein	Biological Active Protein; Cancer; Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190674
NCBI GeneID	8074
NCBI Accession #	NP_065689.1
NCBI GenBank Nucleotide #	NM_020638.2
UniProt Accession #	Q9GZV9; Q4V758
Molecular Weight	25.3 kDa
NCBI Official Full Name	fibroblast growth factor 23
NCBI Official Synonym Full Names	fibroblast growth factor 23
NCBI Official Symbol	FGF23
NCBI Official Synonym Symbols	ADHR; FGFN; HYPF; HPDR2; PHPTC
NCBI Protein Information	fibroblast growth factor 23
UniProt Protein Name	Fibroblast growth factor 23
UniProt Gene Name	FGF23
UniProt Synonym Gene Names	HYPF; FGF-23

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/fibroblast-growth-factor-23-protein-fgf23/114242>