

FGF23 recombinant protein

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CATALOG #
AAA75595

PRODUCT SYNONYMS

FGF23; FGF23 protein; FGF-23 protein; FGF-23; FGF 23; Fibroblast Growth Factor-23 protein; FGF 23 protein; FGF23 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	> 95% pure
Form/Format	Lyophilized powder from 10mM sodium acetate, pH 6.0 plus 0.1M arginine. Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.5 mg/ml. Do not vortex.
Concentration	20ug lyophilized (varies by lot)
Sequence	Region of FG F23 protein corresponds to amino acids MYPNA SPLLGSSWGG LIHLYTATAR NSYHLQIHKN GHVDGAPHQT IYSALMIRSE DAGFVVITGV MSRRYLCMDF RGNIFGSHYF DPENCRFQHQ TLENGYDVYH SPQYHFLVSL GRAKRAFLPG MNPPYSQFL SRRNEIPLIH FNTPIPRRHT RSAEDDSERD PLNVLKPRAR MTPAPASCSQ ELPSAEDNSP MASDPLGVVR GGRVNTHAGG TGPEGCRPFA KFI.
Sequence Length	251
Source	E.coli
Species	Human
Grade	Recombinant
Contaminants	Endotoxin: <0.1ng/ug
Biological Significance	The FGF family plays a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF23, FGF21 and FGF19 constitute an atypical FGF subfamily whose ligands act as circulating hormones and require the participation of a Klotho protein as a co-receptor for their signaling. FGF23 is a bone-derived hormone that acts in the kidney to regulate phosphate homeostasis and vitamin D metabolism. The signaling receptor for FGF23, a Klotho-FGFR1 (Il1c) complex, is an essential regulator of the renal sodium phosphate co-transporter and key vitamin D-metabolizing enzymes CYP27B1 and CYP24A1.
Biohazard	Use appropriate laboratory precautions when handling this product.
Preparation and Storage	Ships ambient or refrigerated. Upon receipt store at 4°C short term; -20°C to -80°C long term. Avoid repeat freeze-thaws.

ADDITIONAL INFORMATION

Related Product Information for FGF23 recombinant protein	Purified recombinant Human FGF23 protein
Product Categories/Family for FGF23 recombinant protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	119609254
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NCBI GeneID	8074
UniProt Accession #	Q9GZV9; Q4V758
Molecular Weight	22.5 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
UniProt Entry Name	FGF23_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/fgf23-recombinant-protein/75595>