

[Go to Product page](#)

Datasheet for ABIN935370 FGF23 Protein

Overview

Quantity:	20 µg
Target:	FGF23
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Sequence: MYPNASPLLGS SWGGLIHL Y TATARN SYHL QIHKNGHVDG APHQTIYSAL MIRSEDAGFV
VITGVMSRRY LCMDFRGNIF GSHYFDPENC RFQHQTLENG YDVYHSPQYH FLVSLGRAKR
AFLPGMNPPP YSQFLSRRNE IPLIHFNTPI PRRHTRSAED DSERDPLNVL KPRARMTPAP
ASCSQELPSA EDNSPMASDP LGVVRGGRVN THAGGTGPEG CRPFAKFI

Characteristics: Purified recombinant Human FGF23 protein
Expression System: E.coli

Purity: > 95 % pure

Endotoxin Level: < 0.1 ng per µg (1 EU/µg).

Target Details

Target: FGF23

Alternative Name: FGF23 ([FGF23 Products](#))

Background: 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.

Target Details

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 (IIIc) complex, is an essential regulator of the renal sodium phosphate co-transporter and key vitamin D-metabolizing enzymes CYP27B1 and CYP24A1.

Alternative Names: FGF-23 protein, FGF-23, FGF23, FGF 23, Fibroblast Growth Factor-23 protein, FGF 23 protein, FGF-23 protein

Molecular Weight: 22.5 kDa

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Negative Regulation of Hormone Secretion](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Supplied as a lyophilized powder.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C