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Datasheet for ABIN5564312

FGF23 Protein (AA 1-251) (His tag)

Overview

Quantity:	10 µg
Target:	FGF23
Protein Characteristics:	AA 1-251
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FGF23 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Signal peptide and human FGF-23 (aa 1-251) are fused at the C-terminus to a His-tag.
Purity:	>90 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FGF23
Alternative Name:	FGF-23 (FGF23 Products)
Background:	FGF-23 (Fibroblast growth factor 23) is a regulator of phosphate homeostasis. It upregulates

Target Details

EGF1 expression in the presence of KLBy. Acts directly on the parathyroid to decrease PTH secretion. Regulates the vitamin-D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization. Defects in FGF-23 are the cause of autosomal dominant hypophosphataemic rickets (ADHR) and of hyperphosphatemic familial tumoral calcinosis (HFTC).

Molecular Weight: ~30kDa (SDS-PAGE, full-length). FGF23 is cleaved between Arg179 and Ser180 (two bands of ~14kDa and ~16kDa).

UniProt: [Q9GZV9](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Activates ERK and FRS2alpha phosphorylation in Klotho expressing cells.

Restrictions: For Research Use only

Handling

Format: Solid

Concentration: Lot specific

Buffer: Lyophilized. Contains PBS.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

Expiry Date: 6 months