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Datasheet for ABIN1344060
FGF23 Protein (AA 1-251) (Fc 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 Fc 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 the Fc portion of human IgG1.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FGF23
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Target Details

Alternative Name:	FGF-23 (FGF23 Products)
Background:	FGF-23 (Fibroblast growth factor 23) is a regulator of phosphate homeostasis. It upregulates EGR1 expression in the presence of KLF4. 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:	~60kDa (SDS-PAGE, full-length) FGF23 is cleaved between arg179 and ser 180 (~40kDa).
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:	Liquid
Concentration:	Lot specific
Buffer:	0.2µm-filtered solution in PBS.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Working aliquots are stable for up to 3 months when stored at -20°C.
Expiry Date:	3 months