

Datasheet for ABIN7121412

FGF23 Protein (R179Q) (His tag)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FGF23
Protein Characteristics:	R179Q
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF23 protein is labelled with His tag.

Product Details

Purpose:	Human FGF-23 (R179Q) Protein, His Tag
Sequence:	Tyr 25 - Ile 251
Characteristics:	Human FGF-23 (R179Q), His Tag (FG3-H52H3) is expressed from human 293 cells (HEK293). It contains AA Tyr 25 - Ile 251 (Accession # Q9GZV9-1 (R179Q)).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FGF23
Alternative Name:	FGF-23 (FGF23 Products)
Background:	Synonyms: FGF23,HYPF,FGF-23,ADHR,HPDR2,

Target Details

Description: Fibroblast growth factor 23 (FGF23) is an endocrine member of the family of FGFs and mainly produced in the bone and, upon secretion, forms a complex with a FGF receptor and coreceptor α Klotho. FGF23 can exert several endocrine functions, such as acting as a hormone on the kidney, stimulating phosphate excretion and suppressing formation of 1,25(OH) $_2$ D $_3$, active vitamin D. Moreover, it has paracrine activities on several cell types, including neutrophils and hepatocytes. FGF23 and phosphate have been revealed to be factors relevant in cancer. FGF23 is particularly significant for those forms of cancer primarily affecting bone (e.g., multiple myeloma) or characterized by bone metastasis.

Molecular Weight: 27.3 kDa

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

Application Details

Application Notes: This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 27.3 kDa. The protein migrates as 30-32 kDa and 33-35 kDa under reducing (R) condition due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 20 mM MOPS, 150 mM NaCl, 5 mM EDTA, 2 mM DTT, pH 7.4

Storage: -20 °C

Storage Comment: -20°C