Datasheet for ABIN7520002

FGF23 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	FGF23
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF23 protein is labelled with His tag.

Product Details

Purpose:	Recombinant human FGF-23/Fibroblast growth factor 23 Protein
Sequence:	YPNASPLLGS SWGGLIHLYT ATARNSYHLQ IHKNGHVDGA PHQTIYSALM IRSEDAGFVV ITGVMSRRYL CMDFRGNIFG SHYFDPENCR FQHQTLENGY DVYHSPQYHF LVSLGRAKRA FLPGMNPPPY SQFLSRRNEI PLIHFNTPIP RRHTRSAEDD SERDPLNVLK PRARMTPAPA SCSQELPSAE DNSPMASDPL GVVRGGRVNT HAGGTGPEGC RPFAKFI
Specificity:	Tyr25-Ile251
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1EU/µg

Target Details

Target:	FGF23
Alternative Name:	FGF-23/Fibroblast growth factor 23 (FGF23 Products)

Target Details

Background:	Description: Fibroblast growth factor 23 (FGF23) is 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 αKlotho. 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)2D3, 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. Name: ADHR, FGFN, HYPF, HFTC2, HPDR2, PHPTC
Gene ID:	8074
UniProt:	Q9GZV9
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Negative Regulation of Hormone Secretion

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	0.3 mg/mL
Buffer:	Lyophilized from a 0.22 μm filtered solution of 20 mM MOPS,150 mM NaCl,5 mM EDTA,2 mM DTT, pH 7.4
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein

solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.