

Product datasheet for PH310127

FGF 23 (FGF23) (NM_020638) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGF23 MS Standard C13 and N15-labeled recombinant protein (NP_065689)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210127
Predicted MW:	28 kDa
Protein Sequence:	>RC210127 protein sequence Red=Cloning site Green=Tags(s) MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSSWGLIHLYTATARNSYHLQIHKNGHVDGAPHQTIY SALMIRSEDAGFVVITGVMSRRYL CMDFRGNIFGSHYFDPENCRFQHQTL ENGYD VYHSPQYHFLVSLGR AKRAFLPGMNPPYSQFLSRRNEIPLIHFNTPIPRRHTRSAEDDSE RDPLNVLKPRARMT P APASCSQEL PSAEDNSP MASDPLGVVRGGRVNT HAGGTGPEGCRPFAKFI TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065689
RefSeq Size:	3018
RefSeq ORF:	753
Synonyms:	ADHR; FGFN; HFTC2; HPDR2; HYPF; PHPTC
Locus ID:	8074
UniProt ID:	Q9GZV9



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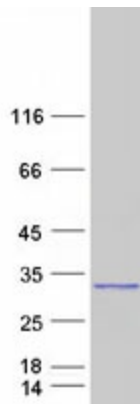
Cytogenetics: 12p13.32

Summary: This gene encodes a member of the fibroblast growth factor family of proteins, which possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. The product of this gene regulates phosphate homeostasis and transport in the kidney. The full-length, functional protein may be deactivated via cleavage into N-terminal and C-terminal chains. Mutation of this cleavage site causes autosomal dominant hypophosphatemic rickets (ADHR). Mutations in this gene are also associated with hyperphosphatemic familial tumoral calcinosis (HFTC). [provided by RefSeq, Feb 2013]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified FGF23 protein (Cat# [TP310127]). The protein was produced from HEK293T cells transfected with FGF23 cDNA clone (Cat# [RC210127]) using MegaTran 2.0 (Cat# [TT210002]).