

Product datasheet for **TP310127M**

FGF 23 (FGF23) (NM_020638) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human fibroblast growth factor 23 (FGF23), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone
or AA Sequence: >RC210127 protein sequence
Red=Cloning site **Green**=Tags(s)

MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSSWGGLIHLYTATARNSYHLQIHKNGHVVDGAPHQTIY
SALMIRSEDAGFVVITGVMSRRYLCMDFRGNIFGSHYFDPENCRFQHQTLENGYDVYHSPQYHFLVSLGR
AKRAFLPGMNPYPYSQFLSRRNEIPLIHFNTPIPRRHTRSAEDDSERDPLNLVKPRARMTAPASCSEL
PSAEDNSPMASDPLGVVRGGRVNTHAGGTGPEGCRPFAKFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 25.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_065689](#)

Locus ID: 8074

UniProt ID: [Q9GZV9](#)



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RefSeq Size: 3018

Cytogenetics: 12p13.32

RefSeq ORF: 753

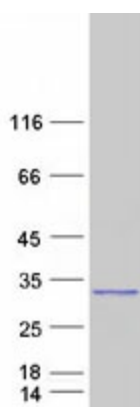
Synonyms: ADHR; FGFN; HFTC2; HPDR2; HYPF; PHPTC

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]).