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Product datasheet for SC304789

FGF 23 (FGF23) (NM_020638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF 23 (FGF23) (NM_020638) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF 23
Synonyms:	ADHR; FGFN; HFTC2; HPDR2; HYPF; PHPTC
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_020638 edited GGTTTCAATCTCAGCACCAGCCACTCAGAGCAGGGCACGATGTTGGGGGCCCGCCTCAGG CTCTGGGTCTGTGCCTTGTGCAGCGTCTGCAGCATGAGCGTCCTCAGAGCCTATCCCAAT GCCTCCCCACTGCTCGGCTCCAGCTGGGGTGGCCTGATCCACCTGTACACAGCCACAGCC AGGAACAGCTACCACCTGCAGATCCACAAGAATGGCCATGTGGATGGCGCACCCCATCAG ACCATCTACAGTGCCCTGATGATCAGATCAGAGGATGCTGGCTTTGTGGTGATTACAGGT GTGATGAGCAGAAGATACCTCTGCATGGATTTCAGAGGCAACATTTTTGGATCACACTAT TTCGACCCGGAGAACTGCAGGTTCCAACACCAGACGCTGGAAAACGGGTACGACGTCTAC CACTCTCCTCAGTATCACTTCCTGGTCAGTCTGGGCCGGGCGAAGAGAGCCTTCCTGCCA GGCATGAACCCACCCCCGTACTCCCAGTTCCTGTCCCGGAGGAACGAGATCCCCCTAATT CACTTCAACACCCCCATACCACGGCGGCACACCCGGAGCGCCGAGGACGACTCGGAGCGG GACCCCCTGAACGTGCTGAAGCCCCGGGCCCGGATGACCCCGGCCCCGGCCTCCTGTTCA CAGGAGCTCCCGAGCGCCGAGGACAACAGCCCGATGGCCAGTGACCCATTAGGGGTGGTC AGGGGCGGTCGAGTGAACACGCACGCTGGGGGAACGGGCCCGGAAGGCTGCCGCCCCTTC GCCAAGTTCATCTAGGGTCGCTGGAAGGGCACCCTCTTTAACCCATCCCTCAGCAAACGC AGCTCTTCCCAAGGACCAGGTCCCTTGACGTTCCGAGGATGGGAAAGGTGACAGGG

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_020638 unedited
GTCAGCATTTGTATACGACTCATATAGGCGGCCGCCAGTGTGATGGATATCTGCAGAATT
CGCCCTTCACCGGTTTCAATCTCAGCACCAGCCACTCAGAGCAGGGCACGATGTTGGGGG
CCCGCCTCAGGCTCTGGGTCTGTGCCTTGTGCAGCGTCTGCAGCATGAGCGTCCTCAGAG
CCTATCCCAATGCCTCCCCACTGCTCGGCTCCAGCTGGGGTGGCCTGATCCACCTGTACA
CAGCCACAGCCAGGAACAGCTACCACCTGCAGATCCACAAGAATGGCCATGTGGATGGCG
CACCCCATCAGACCATCTACAGTGCCCTGATGATCAGATCAGAGGATGCTGGCTTTGTGG
TGATTACAGGTGTGATGAGCAGAAGATACCTCTGCATGGATTTCAGAGGCAACATTTTTG
GATCACACTATTTCGACCCGGAGAACTGCAGGTTCCAACACCAGACGCTGGAAAACGGGT
ACGACGTCTACCACTCTCCTCAGTATCACTTCCTGGTCAGTCTGGGCCGGGCGAAGAGAG
CCTTCCTGCCAGGCATGAACCCACCCNCGTACTCCCAGTTCCTGTCCCGGAGGAACGAGA
TCCCCCTAATTCACTTCAACACCCCCATACCACGGCGGCACACCCGGAGCGCCGAGGACG
ACTNCGAGCGGGACCCCCTGAACGTGCTGAAGCCCCGGGCCCGNATGACCCCGGCCCCCG
CCTCCTGTTCACAGGAGCTCCCGAGCGCCGAGGACCACAGCCCGATGGCCAGTGACCCAT
TAGGGGTGGTCAGGGGCNGTCGAGTGAACACGCACGCTGGGGGAACCGGCCCCGNAAGCT
GCCC
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Restriction Sites: Please inquire

ACCN: NM_020638

Insert Size: 900 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_020638.2, NP_065689.1

RefSeq Size: 3018 bp

RefSeq ORF: 756 bp

Locus ID: 8074

UniProt ID: Q9GZV9

Cytogenetics: 12p13.32

Protein Families: Druggable Genome, Secreted Protein

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

Gene 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]