

Product datasheet for **SC304888**

FGF6 (NM_020996) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | FGF6 (NM_020996) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | FGF6 |
| Synonyms: | HBGF-6; HST2 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene ORF sequence for NM_020996 edited
ATGGCCCTGGGACAGAACTGTTCACTACTATGTCCCGGGGAGCAGGACGTCTGCAGGGC
ACGCTGTGGGCTCTCGTCTTCTAGGCATCCTAGTGGCATGGTGGTCCCTCGCCTGCA
GGCACCCGTGCCAACACACGCTGCTGGACTCGAGGGGCTGGGGCACCCCTGCTGTCCAGG
TCTCGCGCGGGGCTAGCTGGAGAGATTGCCGGGTGAACTGGGAAAGTGGCTATTTGGTG
GGGATCAAGCGGCAGCGGAGGCTCTACTGCAACGTGGGCATCGGCTTTCACCTCCAGGTG
CTCCCCGACGGCCGGATCAGCGGGACCCACGAGGAGAACCCTACAGCCTGCTGGAAATT
TCCACTGTGGAGCGAGGCGTGGTGAAGTCTTTGGAGTGAGAAGTGCCCTCTTCGTTGCC
ATGAACAGTAAAGGAAGATTGTACGCAACGCCAGCTTCCAAGAAGAATGCAAGTTCAGA
GAAACCCTCTGCCAACAAATTACAATGCCTACGAGTCAGACTTGTACCAAGGGACCTAC
ATTGCCCTGAGCAAATACGGACGGGTAAGCGGGGACGCAAGGTGTCCCCGATCATGACT
GTCACCTATTTCTTCCCAGGATCTAA



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_020996 unedited NAAAGTTCAAATATTGTAATACGACTTCACTATAGGCGGCCGGAATCTGACACGTGCCT GAGAAGCAAGGTGGATGGCCCTGGGACAGAACTGTTTCATCACTATGTCCCAGGGAGCAG GACGTCTGCAGGGCAGCTGTGGGCTCTCGTCTTCTAGGCATCCTAGTGGGCATGGTGG TGCCCTCGCCTGCAGGCACCCGTGCCAACACACGCTGCTGGACTCGAGGGGCTGGGGCA CCCTGCTGTCCAGGTCTCGCGCGGGGCTAGCTGGAGAGATTGCCGGGTGAACTGGGAAA GTGGCTATTTGGTGGGGATCAAGCGGCAGCGGAGGCTCTACTGCAACGTGGGCATCGGCT TTCACCTCCAGGTGCTCCCCGACGGCCGGATCAGCGGGACCCACGAGGAGAACCCCTACA GCCTGCTGAAATTTCCACTGTGGAGCGAGGCGTGGTGAAGTCTCTTTGGAGTGAGAAGTG CCCTCTTCGTTGCCATGAACAGTAAAGGAAGATTGTACGCAACGCCAGCTTCCAAGAAG AATGCAAGTTCAGAGAAACCCCTCTGCCAACAAATTACAATGCCTACGAGTCAGACTTGT ACCAAGGGACCTACATTGCCCTGAGCAAATACGGACGGGTAAAGCGGGGAGCAAGGTGT CCCCGATCATGACTGTCACTCATTTCTCCAGGATCTAAGGACCCACAAGAAAGCTT ACAGTCGACCTCAAGGGGAATTCAGATCTGGTACCGATATCAAGCTTGTGACTCTAGA TTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCCGGGTGGCATCCCTGTGACCCC TCCCCAGTGCCTCTCTGCCCTGGAAGTTGCACTCCAGTGCCACCAGCCCTGTCCTA ATC</p> |
| Restriction Sites: | Please inquire |
| ACCN: | NM_020996 |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p> |
| 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: | <ol style="list-style-type: none"> 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_020996.1 , NP_066276.2 |

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| RefSeq Size: | 744 bp |
| RefSeq ORF: | 627 bp |
| Locus ID: | 2251 |
| UniProt ID: | P10767 |
| Cytogenetics: | 12p13.32 |
| Protein Families: | Druggable Genome, Secreted Protein, Transmembrane |
| Protein Pathways: | MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton |
| Gene Summary: | <p>The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This gene displayed oncogenic transforming activity when transfected into mammalian cells. The mouse homolog of this gene exhibits a restricted expression profile predominantly in the myogenic lineage, which suggested a role in muscle regeneration or differentiation. [provided by RefSeq, Jul 2008]</p> |