

Product datasheet for **SC303106**

FGF4 (NM_002007) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF4 (NM_002007) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF4
Synonyms:	FGF-4; HBGF-4; HST; HST-1; HSTF-1; HSTF1; K-FGF; KFGF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002007 edited
CATGTCGGGGCCCGGGACGGCCGCGGTAGCGCTGCTCCCGGCGGTCTGCTGGCCTTGCT
GGCGCCCTGGGCGGGCCGAGGGGGCGCCCGCACCCACTGCACCCAACGGCACGCTGGA
GGCCGAGCTGGAGCGCCGCTGGGAGAGCCTGGTGGCGCTCTCGTTGGCGGCCTGCCGGT
GGCAGCGCAGCCCAAGGAGGCGCGCTCCAGAGCGGCGCCGGCGACTACCTGCTGGGCAT
CAAGCGGCTGCGGCGGCTCTACTGCAACGTGGGCATCGGCTTCCACCTCCAGGCGCTCCC
CGACGGCCGCATCGGCGGCGCGACGCGGACACCCGCGACAGCCTGCTGGAGCTCTCGCC
CGTGGAGCGGGCGTGGTGAACATCTTCGGCGTGGCCAGCCGGTTCTTCGTGGCCATGAG
CAGCAAGGGCAAGCTCTATGGCTCGCCCTTCTCACCGATGAGTGCACGTTCAAGGAGAT
TCTCCTTCCCAACTACAACGCCTACGAGTCTACAAGTACCCGGCATGTTTCATCGC
CCTGAGCAAGAATGGGAAGACCAAGAAGGGGAACCGAGTGTGCCACCATGAAGGTCAC
CCTTCTCCCCAGGCTGTGA

Restriction Sites: Please inquire

ACCN: NM_002007

Insert Size: 600 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.



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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:	<u>NM_002007.1</u> , <u>NP_001998.1</u>
RefSeq Size:	1219 bp
RefSeq ORF:	621 bp
Locus ID:	2249
UniProt ID:	<u>P08620</u>
Cytogenetics:	11q13.3
Protein Families:	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway, Transmembrane
Protein Pathways:	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton
Gene Summary:	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 was identified by its oncogenic transforming activity. This gene and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-amplification of both genes was found in various kinds of human tumors. Studies on the mouse homolog suggested a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway. [provided by RefSeq, Jul 2008]