

Product datasheet for **SC303107**

FGF9 (NM_002010) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF9 (NM_002010) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF9
Synonyms:	FGF-9; GAF; HBF9-9; HBG9-9; SYNS3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002010, the custom clone sequence may differ by one or more nucleotides

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ATGGCTCCCTTAGGTGAAGTTGGGAACATTTTCGGTGTGCAGGATGCGGTACCGTTTGGGAATGTGCCCG  
TGTTGCCGGTGGACAGCCCGTTTTGTTAAGTGACCACCTGGGTCAGTCCGAAGCAGGGGGCTCCCCAG  
GGGACCCGACGTACGGACTTGGATCATTTAAAGGGGATTCTCAGGCGGAGGCAGCTATACTGCAGGACT  
GGATTTCACTTAGAAATCTTCCCAATGGTACTATCCAGGGAACCAGGAAAGACCACAGCCGATTTGGCA  
TTCTGGAATTTATCAGTATAGCAGTGGCCTGGT CAGCATTGAGGCGTGGACAGTGGACTCTACCTCGG  
GATGAATGAGAAGGGGAGCTGTATGGATCAGAAAACTAACCCAAGAGTGTGTATT CAGAGAACAGTTC  
GAAGAAAAGTGTATAATACGTACTCATCAAACCTATATAAGCACGTGGACTGGAAGGCGATACTATG  
TTGCATTAATAAAGATGGGACCCCGAGAGAAGGGACTAGGACTAAACGGCACCAGAAATTCACACATTT  
TTTACCTAGACCAGTGGACCCCGACAAAGTACCTGAACTGTATAAGGATATTCTAAGCCAAAGTTGA
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Restriction Sites:	Please inquire
ACCN:	NM_002010
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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002010.1</u> , <u>NP_002001.1</u>
RefSeq Size:	1420 bp
RefSeq ORF:	627 bp
Locus ID:	2254
UniProt ID:	<u>P31371</u>
Cytogenetics:	13q12.11
Protein Families:	Druggable Genome, Secreted Protein
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 protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons and may be important for glial cell development. Expression of the mouse homolog of this gene was found to be dependent on Sonic hedgehog (Shh) signaling. Mice lacking the homolog gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis. [provided by RefSeq, Jul 2008]