

## Product datasheet for **SC303395**

### FGF16 (NM\_003868) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FGF16 (NM_003868) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF16
Synonyms:	FGF-16; MF4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_003868 edited  
 ATGGCAGAGGTGGGGGGCGTCTTCGCCTCCTTGGACTGGGATCTACACGGCTTCTCCTCG  
 TCTCTGGGGAACGTGCCCTTAGCTGACTCCCCAGGTTTCTGAACGAGCGCTGGGCCAA  
 ATCGAGGGGAAGCTGCAGCGTGGCTCACCCACAGACTTCGCCACCTGAAGGGGATCCTG  
 CGGCGCCGCCAGCTCTACTGCCGCACCGCTTCCACCTGGAGATCTCCCAACGGCACG  
 GTGCACGGGACCCGCCACGACCAGCCGCTTCGGAATCCTGGAGTTTATCAGCCTGGCT  
 GTGGGGCTGATCAGCATCCGGGGAGTGGACTCTGGCCTGTACCTAGGAATGAATGAGCGA  
 GGAGAACTCTATGGTCTGAAGAACTCACACGTGAATGTGTTTTCCGGGAACAGTTTGAA  
 GAAAAGTGGTACAACACCTATGCCTCAACCTGTACAAACATTCCGACTCAGAGAGACAG  
 TATTACGTGGCCCTGAACAAAGATGGCTCACCCGGGAGGATACAGGACTAAACGACAC  
 CAGAAATCACTCACTTTTTACCCAGGCCTGTAGATCCTTCTAAGTTGCCCTCCATGTCC  
 AGAGACCTCTTCACTATAGGTAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_003868

**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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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_003868.1, NP_003859.1</u>
<b>RefSeq Size:</b>	624 bp
<b>RefSeq ORF:</b>	624 bp
<b>Locus ID:</b>	8823
<b>UniProt ID:</b>	<u>O43320</u>
<b>Cytogenetics:</b>	Xq21.1
<b>Protein Families:</b>	Secreted Protein
<b>Protein Pathways:</b>	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton
<b>Gene Summary:</b>	This gene encodes a member of a family of proteins that are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This gene is expressed in cardiac cells and is required for proper heart development. Mutation in this gene was also observed in individuals with metacarpal 4-5 fusion. [provided by RefSeq, Mar 2014]