

## Product datasheet for **SC110895**

### FGF10 (NM\_004465) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FGF10 (NM_004465) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004465, the custom clone sequence may differ by one or more nucleotides

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ATGTGGAATGGATACTGACACATTGTGCCTCAGCCTTTCCCCACCTGCCCGGCTGCTGCTGCTGCTGCT  
TTTTGTTGCTGTTCTTGGTGTCTCCGTCCTGTACCTGCCAAGCCCTTGGTCAGGACATGGTGTCAACC  
AGAGGCCACCAACTCTTCTCCTCCTCCTTCTCCTCCTCCTCCAGCGCGGGAAGGCATGTGCGGAGCTAC  
AATCACCTTCAAGGAGATGTCCGCTGGAGAAAGCTATTCTCTTTACCAAGTACTTTCTCAAGATTGAGA  
AGAACGGGAAGGTCAGCGGGACCAAGAAGGAGAACTGCCCGTACAGCATCCTGGAGATAACATCAGTAGA  
AATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAAACTC  
TATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATAACAATACCT  
ATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAG  
GAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTCCAATGGTGGTACTCATAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_004465 unedited GTGCCCATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCAGAGGGCAGCCACCA CCTCGAGCTCTCTCCTTGCCCTTGCCATCGGGTCTTACCCTTCCAGTATGTTCCCTTCTGATG AGACAATTTCCAGTGCCGAGAGTTTTCAGTACAATGTGGAAATGGATACTGACACATTGTG CCTCAGCCTTTCCCCACCTGCCCGGCTGCTGCTGCTGCTGCTTTTTGTTGCTGTTCTTGG TGTCTTCCGTCCCTGTACCTGCCAAGCCCTTGGTCAGGACATGGTGTACCCAGAGGCCA CCAACTTCTTCTCCTCCTCTCCTTCTCCTTCCAGCGCGGGAAGGCATGTGCGGAGCT ACAATCACCTTCAAGGAGATGTCCGCTGGAGAAAAGCTATTCTCTTTCACCAAGTACTTTC TCAAGATTGAGAAGAACGGGAAGGTGAGCGGGACCAAGAAGGAGAACTGCCCGTACAGCA TCCTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAACT ATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAAGAATNTAACAAATGACT GTAAGCTGAAGGAGAGGATAGAGGAAAATGGATAACAATACCTATGCATCATTTAACTGGC AGCATAATGGGAGGCAAAATGTATGTGGCATTGAATGGAAAAGGAGCCTTCAGGAGAGGGA CAGAAACCGAAGGANAAACACCTCTGCTCACTTCTCCCATGGTGGTACTCATAGAG GAAGCAACGTTTGTGATGCAGAAAACCAATGGCTCTTTTGCCAAAATAGTGGATATTCT CATGAAGACAGTTGATGAAAGGCAAGACCCCTTGCAAATGTCTGCTTAAAGAAGC CACCTTTGAAGTTTTTGATTACT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004465
<b>Insert Size:</b>	3710 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_004465.1</a> , <a href="#">NP_004456.1</a>
<b>RefSeq Size:</b>	627 bp
<b>RefSeq ORF:</b>	627 bp
<b>Locus ID:</b>	2255
<b>UniProt ID:</b>	<a href="#">O15520</a>
<b>Cytogenetics:</b>	5p12
<b>Domains:</b>	FGF

<b>Protein Families:</b>	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Transcription Factors, Transmembrane
<b>Protein Pathways:</b>	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton
<b>Gene Summary:</b>	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 exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of limb bud formation. This gene is also implicated to be a primary factor in the process of wound healing. [provided by RefSeq, Jul 2008]