

## Product datasheet for **SC113009**

### FGF12 (NM\_021032) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FGF12 (NM_021032) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF12
Synonyms:	DEE47; EIEE47; FGF12B; FHF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021032, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCGGCGATAGCCAGCTCCTTGATCCGGCAGAAGCGGCAGGCGAGGGAGTCCAACAGCGACCGAG
TGTCCGGCCTCCAAGCGCCGCTCCAGCCCCAGCAAAGACGGGCGCTCCCTGTGCGAGAGGCACGTCTCCG
GGTGTTCCAGCAAAGTGCGCTTCTGCAGCGGCCGCAAGAGGCCGGTGAGGCGGAGACCAGAACCCAGCTC
AAAGGGATTGTGACAAGTTATTCAGCCAGCAGGGATACTTCTGCAGATGCACCCAGATGGTACCATTG
ATGGGACCAAGGACGAAAACAGCGACTACACTCTTTCAATCTAATCCCGTGGGCCTGCGTGTAGTGGC
CATCCAAGGAGTGAAGGCTAGCCTCTATGTGGCCATGAATGGTGAAGGCTATCTCTACAGTTCAGATGTT
TTCCTCCAGAATGCAAATCAAGGAATCTGTGTTTAAAACTACTATGTGATCTATTCTCCCACTGT
ACCGCCAGCAAGAATCAGGCCGAGCTTGGTTTCTGGGACTCAATAAAGAAGGTCAAATTGAAGGGGAA
CAGAGTGAAGAAAACCAAGCCCTCATCACATTTGTACCGAAAACCTATTGAAGTGTGTATGTACAGAGAA
CCATCGCTACATGAAATTGGAGAAAAACAAGGCGTTCAAGGAAAAGTTCTGGAACACCAACCATGAATG
GAGGCAAAGTTGTGAATCAAGATTCAACATAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_021032 unedited</p> <pre> NGTTCAAATTTTGGTATACGAACTCACTATAGGGCGGCCGCAATTTCGCACGAGGCTGGA TTTTCCACATTTTGTGCGCCACTGCCAGACTTTGACTAACCTTGTGAGCGCCGGTTC GATACTGCAGCCTCCTCAAATTTAGCACTGCCTCCCCGCGACTGCCCTTCCCTGGCCG CCCAGGTCTGCCCTCGCCCCGGCGAGCGCAAGCCGGAGGGCGCAGTAGAGGCTGGGGC CTGAGGCCCTCGCTGAGCAGCTATGGCTGCGGCATAGCCAGCTCCTTGATCCGGCAGAA CGGCGAGGCGAGGGAGTCCAACAGCGACCGAGTGTGCGCCTCCAAGCGCCGCTCCAGCCC CAGCAAAGACGGGCGCTCCCTGTGCGAGAGGCACGTCTCGGGGTGTTACGCAAAGTGCG CTTCTGCAGCGGCCGCAAGAGGCCGGTGTAGGCGGAGACCAGAACCCAGCTCAAAGGGAT TGTGACAAGGTTATTCAGCCAGCAGGGATACTTCTGCAGATGCACCCAGATGGTACCAT TGATGGGACCAAGGACGAAAACAGCGACTACACTCTTCAATCTAATCCCGTGGGCT GCGTGTAGTGGCCATCAAGGAGTGAAGGCTAGCCTCTATGTGGCCATGAATGGTGAAGG CTATCTACAGTTCAGATGTTTTCACTCCAGAATGCAAATCAAGGAATCTGTGTTTGA AACTACTATGTGATCTATTCTCCACACTGTACCGCCAGCAAGAATCAGGCCGAGCTTG GTTTCTGGGACTCAATAAAGAAGGTCANATTATGAAGGGGAACAGAGTGAAGAANACCCA AGCCTCATCACATTNTGTACCGAAACCTATTGAAGTGTGTATGTACAGAGAACCATCGCT ACATGAAATGGNAGAANAACAAGG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_021032 unedited</p> <pre> ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAATTT AAATGCTTTTATTTGTTACTTTCCAAATATTTTGGTTAAACAAATATCTCTTGCAAATGT ATCTTCAAATCTTTGCCTACATGCATACAATTTGTTCTTCCCACTGCTTAGGGAAATT CCTTCATTTCTTTCTGCTAACCTCTAGATAACAGAAATAGGATACCTGGTGAAGGATA TGGTCCACTATTGAAGAATAATGATTGTGTAAAGTGAGGGAAACTATATTGACCTTGAAA TACGGCAACCAATGGCAAGGTTTGTAGGTGAGGGCTAAAGCTTCTGCAAAGTGTATATAT TTTAGGGAGTCATATTTGGAACAATACATGCTGGACAGTAGAGATATAGGAGAAGTTACA TGCTATGTCTTCTCATTGATAATATCCATAAATCTGCATACATTTTTAACATTCTGTTTT GTGTTTTTTTTCTTTAAATTTGGATGTCTCTACACCACTCCTGATTTGTAGGACTAAAT AGATCTATTTATCCAATGCAAATGTGTAACTTTATTTCTTCTTCTTCTTCTTCTTCTTCTT ACTTTAGTATTCTTAACTATGTATGTGCCTTCTTACTACTGAGTCTTTTTTGTCTCCT TCAGCTGCTCACACAATCCTGTCTGTTGGAGTCATAGACTGCTATTCCATATTATTTCTC TACACACCCTTGACATTTAGTGTATTACTGGTACCCTTCTGTGTTCTTAGAAACAATGAA TTGCAACTGGACTTGACAGGATCCTACTAGAGCCACAATTACTCTGGCTTGTAAGAAAAG TAAGTAGAATTTACAGTCATGCTCCAATTCATGCCAGAGTTAAAAACAATTAGACTGTGG TAAGTCAAAGCAATGCATTTGCGTGACTAT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_021032
<b>Insert Size:</b>	2900 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_021032.2</a> , <a href="#">NP_066360.1</a>
<b>RefSeq Size:</b>	2817 bp
<b>RefSeq ORF:</b>	732 bp
<b>Locus ID:</b>	2257
<b>UniProt ID:</b>	<a href="#">P61328</a>
<b>Cytogenetics:</b>	3q28-q29
<b>Domains:</b>	FGF
<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>	<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 growth factor lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. [provided by RefSeq, Dec 2019]</p> <p>Transcript Variant: This variant (1) encodes a longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>