

Product datasheet for **SC105816**

MEG3 (AF052114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEG3 (AF052114) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEG3
Synonyms:	FP504; GTL2; LINC00023; NCRNA00023; onco-lncRNA-83; prebp1; PRO0518; PRO2160
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for AF052114, the custom clone sequence may differ by one or more nucleotides

```

ACAAAGCAGCCACTCACTGACCCCCAGGACCAGGATGGCAAAGGATGAAGAGGACCGGAAGTACCAGCC
AGCTGTCCCTCTTACCTAAAGACTTAAACCAATGCCCTAGTGAGGGGGCATTGGGCATTAAGCCCTGACC
TTTGCTATGCTCATACTTTGACTCTATGAGTACTTTTCTATAAGTCTTTGCTTGTGTTACCTGCTAGCA
AACTGGAGTGTTTCCCTCCCAAGGGGGTGTCACTCTTTGTCGACTGACTCTGTATCACCTTATGATG
TCCTGAATGGAAGGATCCCTTTGGGAAATTCTCAGGAGGGGGACCTGGGCCAAGGGCTTGGCCAGCATCC
TGCTGGCAACTCCAAGGCCCTGGGTGGGCTTCTGGAATGAGCATGCTACTGAATCACAAAGGCACGCC
GACCTCTCTGAAGATCTTCTATCCTTTCTGGGGAAATGGGGTGCATGAGAGCAACCTCTAGGGTTGT
TGTGAGAAATTAATGAGATAAAAGAGCCCTCAGGCAGGATCTGGCATAGAGGAGGTGATCAGCAATGTT
TGTTGAAAAGGTTTGACAGGTCACTCCCTTCCACCCCTCTTGTCTTACTTGTCTTATTTATTCTC
CAACAGCACTCCAGGCAGCCCTTGTCCACGGGCTCTCCTTGCATCAGCCAAGCTTCTTGAAGGCCTGTC
TACACTTGCTGTCTTCTTCTCACCTCCAATTTCTCTTCAACCCACTGCTTCTGACTCGCTCTACTC
CGTGGAAGCACGCTCACAAAGGCACGTGGGCCGTGGCCCGCTGGGTCCGCTGAAGAACTGCGGATGGAA
GCTGCGGAAGAGGCCCTGATGGGGCCACCATCCCGGACCCAAGTCTTCTTCTGCGGGCCCTCTCGTCT
CCTTCTGGTTTTGGGCGGAAGCCATCACCTGGATGCCTACGTGGGAAGGGACCTCGAATGTGGGACCCCA
GCCCTCTCCAGCTCGAAATCGGCAGACTAGGATGGAAGTGCCCTGTGAGCTGGGGGGCCCTTCAAAGGG
CCAAGGAGAAAACGCAGGCCGAGGGACCAGCCTTCAAATGGGCTTCAAGCTCCAATGACCTCCGCTCGC
CCCCTCGAAATGTCTGAAAAACATAATGGGCAGATTTTCTGTCTTCAAAGTTTCCGGTAAACCTTTCA
AGTTCTTTATTGTTTGGGACTGAGACACTCAGCCATGTTAATGGGTAGTTTCTTTTGTATTTGCCTTGA
AGGCCAAAATTTTTATATTGCCACAGACAAAAGCCACCTATTTAAAAATGAACTCCATGTCCTCGTTT
CCCACCAGGAGACTATGTACCATGTGTGTCTCTATGATTCTGGGGTCTTGAACAGGTTTCTCATGG
GGATGGTCATTACCACGGTCCAGAGGGGCAGAACAGGCGGCGCTTGCCTTGCCAGGGGGCCTGGGGAA
CGTGGGCCCTCATCTCAGATCTGCCCCAGTATGTTTAGGACGCGAGCCCAAGAGGATCTGGGAGTAAA
CTTAACATTCAGTGTCTCTGCTCTGCATCCGCCATTTGTGTGTGTTTCTGGACTGTGGGCTGTGTGTA
CCTTGGTTGGTGACTCAGTGAGAAGAAGCAGGAATGCCAAAGATACTGTGAATGTTCTGAGTTTTGTTGC
TGTTGTTGTTGAGAGGTTGTTTCACTGGTATCTATTGCATTGTATAATAAATGACCAGATGAATGAATGA
GTGAAGCAAGAGAGAATGAATAAACAAGTAAATAGGTAAGAAGTAAGCAAGCCAGGATGAGAGTGTGTG
TACACAAGACCATGGTTCATCCGCTTTGATGGCTAGGCAATCAATATATAAATAGAAAAAACAGTGAA
TCACTAAGTAATAGGGCAACACACAAAGCGATATCAGGTGATTATGGACTAAGGGGTATGTGTAACCAA
ATATATGCCTCTGACATTTGACAATGAAAAAGAACCTAAATGAAAGAAAGAAATGGATGTATGAGTGTGA
AGTGCAGAATGAGACATAGATTTTGGGGCCGTCAAAATGAAAAGATGCAAGTTAGGGAACAAGTATCA
AAAGGGAGAAGGGAAAGGTTTTTTTTAAAAAACCAAAACAAGAAAGGTTTAAAAAAAACAGACT
AGAGGATGAGTAATGAGTAACTCTGTAAGGAGGACCATGTGACTATTGTAAGCTAAGCATTAGGACTG
ATACAAATAATATATGCTCCTGGCATAGAAAAATAAACCAAGAGAACGAGTTCAAAGAATAGCAAAGAA
AGAAAGAGGACCCAGTGGGCGAAAGATGAGAGTGTACTTTTACCAAAAGTTATCTAAGCCTGAGCACTTG
AAGTCTGCACATAAATAAATAAATGACAAAAGAAAGAAAAAAGAAAAA
    
```

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AF052114 unedited</p> <pre>CAGGAATTTGTAATACGACTCACTTATAGGGCGGCCGCGAATTCGCACGAGGCCCGGCTG GGTCGGCTGAAGAAGTGCAGGATGGAAGCTGCGGAAGAGGCCCTGATGGGGCCACCATCC CGGACCCAAGTCTTCTTCTGGCGGGCCTCTCGTCTCCTTCTGGTTTGGGCGGAAGCCA TCACCTGGATGCCTACGTGGGAAGGACCTCGAATGTGGGACCCAGCCCTCTCCAGCT CGAAATCGGCAGACTAGGATGGAAGTCCCTGTGAGCTGGGGGGCCCTTCAAAGGGCCAA GGAGAAAACGCAGGCCGAGGGACCAGCCTTCCAAATGGGCTTCAAGCTCCAATGACCTCC GCTCGCCCCCTCGAAATGTCTGGAAAACATAATGGGCAGATTTTCTGTCTTCAAAGTTTC CGGCTAAACCTCTTCAAGTTCTTTATTGTTGGGACTGAGACACTCAGCCATGTTAATGG GTAGTTTCTTTTGTATTTGCCTTGAAAGGCCAAAATATTTTTATATTGCCACAGACAAAAG CCACCTATTTAAAAATGAACTCCATGTCCGTCGTTTCCACCAGGAGACTATGTACCATG TGTGTGTCTCTATGTATTCTGGGTCTTGAAACAGTTTCTCATGGGATGGTCATTAC CACGGTCCAGAGGGCAGAACAGCGCGCTTGCCTTGCCAGNNGGCCTGGGAAACGT GGCCCTCATCTCAGATCTGCCCCAGTATGTTTAGGACGCGAGCCCCAGAAGGATCTGNG AGTAAACTTACATTCACTGTGTCTCTGCTCTGCATCCGCCATTTNNGTGTGTCTTGG CTGTGGGCTGTGTGTACCTTGGTGGTACTCAGTGAGAAGAAGCAGATGCCAAGAAGTGT GATGTTCTGAGTTTTGTGCTGTGTGTTGAAAGGTGNTCACTGGATCTATTGCATGNATAT AAGGACGATGAATGATGT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AF052114 unedited</p> <pre>NGGGTACAGCTATGNACCGCGCACGCATNCTAGAGATCGAGTTTTTTTTTTTTTTTTTTT GTTGTTTTGGTTTTTAAAAAACTTTCCCTTCCCCTTTTGAACACTTGTCCCTAACT TGCATCTTTTCATTTTGACGGCCCTCAAATCTATGTCTCATTCTGCACTTCACTACTCA TACATCCATTCTTTCTTTCAATTAAGTTCTTTTTTATTGTCAAATGTCAGAGGCATATAT TTGAGTTACACATACCCCTTAGTCCATAATCACCTGATATCGCTTGTGTGTGTCCTAT TACTTAGTGATTCACTGGTTTTTTTTCTATTTATATATTGATTGCCTAGCCATCAAAGCGG ATGAACCATGGTCTTGTGTACACACACTCTCATCTGGCTTGCTTACTTCTTTACCTATT TACTTGTTTATTCACTCTCTTCTGCTTCACTCATTCACTCATCTGGTCATTTATTATACA ATGCAATAGATACCAGTAAAACAACCTCTCAACAACAACAGCAACAAAACCTCAGAACATT CACAGTATCTTTGGCATTCTCTCTTCTTCTCACTGAGTCAACAACCAAGGTACACACAGC CCACAGTCCAGAAAACACACAAAATGGCGGATGCAGAGCAGAGACACAGTGAATGTTAAG TTTACTCCAGATCCTTCTGGGGCTCGCGTCTAAACATACTGGGGCAGATCTGAGATG AGGGCCCACGTTCCCCAGCCCCCTGGGCAAGGCAAGCGCCGCTGTTCTGCCCTCTGG ACCGTGGTGAATGACCATCCCCATGAAGAACTGTTTTCAAGACCCCGNATACATAGAG ACACACACTGGTACATAGTCTCCCGTGGGGAACGACGGACATGNAGTCCAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	AF052114
Insert Size:	1400 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).
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:

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: [AF052114.1](#)

RefSeq Size: 2433 bp

RefSeq ORF: 2433 bp

Locus ID: 55384

Cytogenetics: 14q32.2

Gene Summary: This gene is a maternally expressed imprinted gene. Multiple alternatively spliced transcript variants have been transcribed from this gene and all of them are long non-coding RNAs (lncRNAs). This gene is expressed in many normal tissues, but its expression is lost in multiple cancer cell lines of various tissue origins. It inhibits tumor cell proliferation in vitro. It also interacts with the tumor suppressor p53, and regulates p53 target gene expression. Its deletion enhances angiogenesis in vivo. Many experimental evidences demonstrate that this gene is a lncRNA tumor suppressor. [provided by RefSeq, Mar 2012]