

Product datasheet for **SC121291**

MEG3 (XR_000167) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEG3 (XR_000167) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEG3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for XR_000167, the custom clone sequence may differ by one or more nucleotides

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GCAGAGAGGGAGCGCCTTGGCTCGTGGCCTTGGCGGGCTCCTCAGGAGAGCTGGGGCGCCACGA
GAGGATCCCTCACCCGGTCTCTCCTCAGGGATGACATCATCCGTCACCTCCTTGCTTCAAGGACCAC
CTCCTCTCCATGCTGAGCTGCTGCAAGGGCTGCTGCCATCTACACCTCACGAGGGCACTAGGAGCA
CGGTTTCTGGATCCACCAACATACAAAGCAGCCACTCACTGACCCCAAGGACCAGGATGGCAAAGGAT
GAAGAGGACCGGAACTGACCAGCCAGCTGTCCCTTTACCTAAAGACTTAAACCAATGCCCTAGTGAGGG
GGCATTGGGCATTAAGCCCTGACCTTTGCTATGCTCATACTTTGACTCTATGAGTACTTTCTATAAGTC
TTTGCTTGTGTTACCTGCTAGCAAAGTGGAGTGTTCCTCCCAAGGGGGTGTGAGTCTTTGCTGACT
GACTCTGTCATCACCTTATGATGCTGCTGAATGGAAGGATCCCTTTGGGAAATCTCAGGAGGGGACCT
GGGCCAAGGGCTTGGCCAGCATCTGCTGGCACTCCAAGGCCCTGGGTGGGCTTCTGGAATGAGCATGC
TACTGAATCACCAAGGCACGCCGACCTCTGAAGATCTTCTATCCTTTTCTGGGGAAATGGGGTCCG
ATGAGAGCAACCTCCTAGGGTGTGTGAGAATTAATGAGATAAAAGAGGCCTCAGGCAGGATCTGGCA
TAGAGGAGGTGATCAGCAAATGTTTGTGAAAAGGTTTGACAGGTCACTCCCTCCACCCCTCTTGCTT
GTCTTACTTGTCTATTTATTCTCCAACAGCACTCCAGGCAGCCCTTGTCCACGGGCTCTCCTTGATCA
GCCAAGCTTCTTGAAGGCCCTGTCTACACTTGTGCTTCTCCTTCCCTCACCTCAAATTTCTTCAACCC
ACTGCTTCTGACTCGCTCTACTCCGTGGAAGCAGCTCACAAGGGCTAATCTCGGGCCTTGTGGAAGG
AAGAGGCTGCAGACGTTAATGAGGTTAGCTGCTGGATTCCAGTATTTCGTCGCATAAGGATCCTTCTTTGT
CTGCGAAGGAAAAACACTGATTATCATAATGAGTTCCTGACCTGGCCATCCCGGGTGGCCCTTGACCA
GCCCGGTCTCCTCAGGGTGTCCAGCACCAGCCTGGCACAGAGTGGGGCTCAGTTAGAGTATGTGGGA
TGTGGTTTCGCCAGTAACTGCAGGCAGTGGCCGTGGCCCGTGGCTGGTGGCTGAGAACTGCGGAT
GGAAGCTGCGGAAGAGGCCCTGATGGGGCCACCATCCCGGACCCAAGTCTTCTTCTGGCGGCCCTCTC
GTCTCCTTCTGTTTGGCGGAAGCCATCACCTGGATGCCTACGTGGGAAGGGACCTCGAATGTGGGAC
CCCAGCCCTCTCCAGCTCGAAATCCCTCCACAGCCACGGGGACACCCTGCACCTATCCACGGGACAG
GCTGGACCCAGAGACTCTGGACCCGGGGCTCCCTTGAGTAGAGACCCGCCCTGACTGATGGACGCC
GCTGACCTGGGGTCCAGCCCGTGGGCTGGACCCCTGCCACCCCGCAGGAACCCTGAGGCCATGGGGAGC
TGTTGAGCCTTCACTGCTGCATGTGGGAAGTGGGCTCCTTACCTACCTCACAGGGCTGTTGTGAGGGG
CGCTGTGATGCGGTTCCAAAGCACAGGGCTTGGCGACCCCACTGTGCTCTCAATAAATGTGTTCTCTGT
CTTAACAAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for XR_000167 unedited

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ATTTTGAATACGACTCACTATAGGGCGCCGCGATTCCGGCAGGAGGCTCATACTTTGA
CTCTATGAGTACTTTCTATAAGTCTTTGCTTGTGTTACCTGCTAGCAAAGTGGAGTGT
TTCCCTCCCAAGGGGTGTGAGTCTTTGCTGACTGACTCTGTCATCACCTTATGATGTC
CTGAATGGAAGGATCCCTTTGGGAAATCTCAGGAGGGGGACCTGGGCCAAGGGCTTGGC
CAGCATCTGCTGGCACTCCAAGGCCCTGGGTGGGCTTCTGGAATGAGCATGCTACTGA
ATCACCAAGGCACGCCACCTCTCTGAAGATCTTCTATCCTTTTCTGGGGAAATGGG
GTCGATGAGAGCAACCTCCTAGGGTGTGTGAGAATTAATGAGATAAAAGAGGCCTCA
GGCAGGATCTGGCATAGAGGAGGTGATCAGCAAATGTTTGTGAAAAGGTTTGACAGGGT
CAGTCCCTTCCACCCCTCTTGCTTGTCTTACTTGTCTTATTTATTCTCCAACAGCACTC
CAGGCAGCCCTTGTCCACGGGCTCTCCTTGATCAGCCAAGCTTTNTGAAAGGCCGTGCT
ACACTTGTGTCTTCTTCTCACCTCCAATTTCTCTTCAACCCACTGCTTCTGACTC
GCTCTACTNCCGTGGGAAGCAGCTCACAAGGCACGTGGGCCCGTGGCCGGNCTTGGGTT
CGGCTGAAAAAAGTGGCGATGGATCTGCGGAGAGAAGCCCTGGATGGGGCCACCATCCCGAC
CCAGTCTTCCCTGGCGCCTCTGTTCTNTTTGGGGTTGGGGCGGAGCCATACCTGAT
GCTCGTNGGGGAAGGCCCTCCNATGTGGACCCAGCCCTCTCAGCTGATCGAATAGA
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Restriction Sites:

NotI-NotI

ACCN:

XR_000167

Insert Size:	2000 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:	<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>XR_000167.3</u>
RefSeq Size:	1595 bp
RefSeq ORF:	1214 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]