

## Product datasheet for **SC100404**

### Pea3 (ETV4) (NM\_001986) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pea3 (ETV4) (NM_001986) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pea3
Synonyms:	E1A-F; E1AF; PEA3; PEAS3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM\_001986 edited  
 GAATTCGGCACGAGGGGCTCCTGGGAGCAGGTCTCGGCCCCCGCTTGGGGCCCCGGCCGT  
 GCGGCCGAGGGAGCGGCCGGATGGAGCGGAGGATGAAAGCCGGATACTTGGACCAGCAA  
 GTGCCCTACACCTTCAGCAGCAAATCGCCCGGAAATGGGAGCTTGCAGCAAGCGCTGATC  
 GGCCCGCTGGGGAAGCTCATGGACCCGGGCTCCCTGCCGCCCTCGACTCTGAAGATCTC  
 TTCCAGGATCTAAGTCACTTCCAGGAGACGTGGCTCGTGAAGCTCAGGTACCAGACAGT  
 GATGAGCAGTTTGTTCCTGATTTCCATTAGAAAACCTAGCTTTCCACAGCCCCACCACC  
 AGGATCAAGAAGGAGCCCCAGAGTCCCCGCACAGACCCGGCCCTGTCTGCAGCAGGAAG  
 CCGCCACTCCCCACCACCATGGCGAGCAGTGCCTTTACTCCAGTGCCTATGACCCCCC  
 AGACAAATCGCCATCAAGTCCCCTGCCCTGGTGCCTTGGACAGTGCCCCTACAGCCC  
 TTTCCCGGGCAGAGCAACGGAATTTCTGAGATCCTCTGGCACCTCCCAGCCCCACCCT  
 GGCCATGGGTACCTCGGGGAACATAGCTCCGTCTTCCAGCAGCCCTGGACATTTGCCAC  
 TCCTTACATCTCAGGGAGGGGGCCGGAAACCCCTCCCAGCCCCCTACCAACACCAGCTG  
 TCGGAGCCCTGCCACCCTATCCCCAGCAGAGCTTAAAGCAAGAATACCATGATCCCCTG  
 TATGAACAGGCGGGCCAGCCAGCCGTGGACCAGGGTGGGGTCAATGGGCACAGGTACCCA  
 GGGGCGGGGGTGGTGATCAAACAGGAACAGACGGACTTCGCCTACGACTCAGATGTCACC  
 GGGTGGCATCAATGTACCTCCACACAGAGGGTCTCTGGGCCCTCTCCAGGTGACGGG  
 GCCATGGGCTATGGCTATGAGAACTCTGCGACCATTCCAGATGATGTCTGCGTTGTC  
 CCTGAGAAATTTGAAGGAGACATCAAGCAGGAAGGGTGGTGCATTTGAGAGGGGGCCG  
 CCCTACCAGCGCCGGGTGCCCTGCAGCTGTGGCAATTTCTGGTGGCCTTGTCTGGATGAC  
 CCAACAAATGCCATTTTCATTGCCTGGACGGGCCGGGAATGGAGTTCAAGCTCATTGAG  
 CCTGAGGAGTCCAGGCTCTGGGTCATCCAGAAGAACCAGCCAGCCATGAATTACGAC  
 AAGCTGAGCCGCTCGCTCCGATACTATTATGAGAAAGGCATCATGCAGAAGGTGGTGGT  
 GAGCGTTACGTGTACAAGTTTGTGTGTGAGCCCGAGGCCCTCTTCTTTGGCCTTCCCG  
 GACAATCAGCGTCCAGCTCTCAAGGCTGAGTTGACCGGCTGTCAAGTGAAGGAGGACACA  
 GTCCCTTTGTCCACTTGGATGAGAGCCCCGCCTACCTCCAGAGCTGGCTGGCCCCGCC  
 CAGCCATTTGGCCCCAAGGGTGGCTACTTACTAGCCCCAGCGGCTGTTCCCCCTGCC  
 GCAGGTGGGTGCTGCCCTGTGTACATATAAATGAATCTGGTGTGGGAAACCTTCATCT  
 GAAACCCACAGATGTCTCTGGGGCAGATCCCCACTGTCTACCAGTTGCCCTAGCCCAGA  
 CTCTGAGCTGCTACCGGAGTCATTGGGAAGGAAAAGTGGAGAAATGGCAAGTCTAGAGT  
 CTCAGAACTCCCCTGGGGTTTTCACTGGGCCCTGGAGGAATCAGCTCAGCTTCTTCC  
 TAGGTCCAAGCCCCCACACCTTTTCCCAACCACAGAGAACAAGAGTTTGTCTGTTCT  
 GGGGACAGAGAAGGCGCTTCCCAACTCATACTGGCAGGAGGGTGAAGGAGTCACTGA  
 GCTCCCCAGATCTCCACTGCGGGGAGACAGAAGCCTGGACTCTGCCCCACGCTGTGGCC  
 CTGGAGGGTCCCGGTTTGTCAAGTCTTGGTGTCTGTGTTCCAGAGGCAGGCGGAGGT  
 GAAGAAAGGAACCTGGGATGAGGGGTGCTGGGTATAAGCAGAGAGGGATGGGTTCTGCT  
 CCAAGGGACCTTTGCCTTTCTTCTGCCCTTCTAGGCCAGGCCTGGGTTTGTACTTC  
 CACCTCCACCACATCTGCCAGACCTTAATAAAGGCCCCCACTTCTCCAAAAAAAAAAAA  
 AAAAACTCGAC

**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_001986 unedited
CTTTTTATAGGGCGGCCGGAATTCGGCACGAGGGGCTCCTGGGATCAGGTCTCGGCCCC
CGCTTGGGGCCCCGGCCGTGCGGCCGAGGGAGCGGCCGGATGGAGCGGAGGATGAAAGC
CGGATACTTGGACCAGCAAGTGCCTACACCTTCAGCAGCAAATCGCCCCGAAATGGGAG
CTTGCGCGAAGCGCTGATCGGCCGCTGGGGAAGCTCATGGACCCGGGCTCCCTGCCGCC
CCTCGACTCTGAAGATCTCTCCAGGATCTAAGTCACTCCAGGAGACGTGGCTCGTGA
AGCTCAGGTACCAGACAGTGTGAGCAGTTTGTCTGATTTCCATTTCAGAAAACCTAGC
TTTCCACAGCCCCACCACCAGGATCAAGAAGGAGCCCCAGAGTCCCCGCACAGACCCCGC
TCCTGTCTGCAGCAGGAAGCCGCCACTCCCCTACCACCATGGCGAGCAGTGCCTTTACT
CCAGTGCCTATGACCCCCCAGACAAATCGCCATCAAGTCCCCCTGCCCTGGTGCCT
TGGACAGTCGCCCCCTACAGCCTTTCCCGGGCAGAGCAACGGAATTTTCTGAGATCCT
CTGGCACCTCCCACCCCCACCCCTGCCATGGGTACCTGGGGGAAAATAGCTCCCGTCT
TCAGCAGCCCCCTGGACATTTGCCACTCCCTCACATCTAGGGGAAGGGGGCTTCCCCC
CACCCNTTCCCCTCCCTTCCCCTTCCCCTTTTTTCCCCTCCCCCTCCCTTTTCCCCC
CACATTCAATTTATCCCCTTCCCCTTCCCCTCCCATTTTTTTTCCACCTTTTTTTTCC
CCCTCCCATTTCGCGCCGATTCCCCCCCCTTTTTCCCCTTTCCTTTCCCCCCCCCTC
TTCCCCCGTCCCCTCCTTTTCCCCCCCCGTCCTCCCCTCCTCCCCCCTTTCCCTT
CCCCTCTCCCCCTCCCTCTTTT
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_001986 unedited
GGTATTCTATGNNACCGCGCCGATTTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTGGG
GAGAGTGGGGCCTTTATTAAGGTCTGGCAGATGTGGTGGAGGTGGAAGTACAAACCCAG
GCCTGGGCTAGGAAAGGCAGAAAGAAAGCAAAGGGTCCCTGGAGCAGGAACCCATCC
CTCTCTGCTTATACCCAGCACCCCTCATCCCAGTTTCTTTTCAACCTCCGCCTGCCT
CTGGGAACACAGAGCACCAAGAACTGACAAACCGGGACCTCCAGGGCCACAGCGTGGGG
CAGAGTCCAGGCTTCTGTCTCCCCGAGTGGGAGATCTGGGGAGCTCAGTGAACCTCCTC
ACCCTCCTGCCAGTATGAAGTTGGGAAGCGCCTTCTGTCCCCCAGAACAGAACT
CTTGTTCTCTGTGGTTGGGAAAAGGTGTGGGGGGCTTGGACCTAGGAAGAAGCTGAGCT
GAATTCCTCCAGGGCCCAGGTGAAACCCCCAGGGGAGTTTCTGAGACTCTAGACTTGCCA
TTTCTCCACTTTTCTTCCCAATGACTCCGGTGAGCAGCTCAGAGTCTGGGCTAGGGCAA
CTGGTAGGACAGTGGGGATCTGCCCCAGAGACATCTGTGGGTTTCAGATGAAGTTTCCC
CAACACCAGATTCATTTATGTACACAGGCAGCACCCACCTGCNGCAGGGGGAACAGC
CGCTGGGGGCTAGTAAGAGTAGCCACCCTTGGGGCCAAATGGCTGGGCGGGGCCAGCCAG
CTCTGGGAGGTAGGCGGGGCTCTCATCCCAATGGGACAAAGGGACTGTGTCTCCTCACT
GACAAGCCCGTCAAACTCACCTTGTAAGCTGGACGCTGATTGTCCCGGAAGCCAAAAG
AAGAGGCCTCGGGCTCAC
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_001986

**Insert Size:**

2200 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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:** [NM\\_001986.1](#), [NP\\_001977.1](#)

**RefSeq Size:** 2212 bp

**RefSeq ORF:** 1455 bp

**Locus ID:** 2118

**UniProt ID:** [P43268](#)

**Cytogenetics:** 17q21.31

**Domains:** ETS, ETS\_PEA3\_N

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** Transcriptional activator that binds to the enhancer of the adenovirus E1A gene; the core-binding sequence is 5'[AC]GGA[AT]GT-3'. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes isoform 1. Variants 1 and 2 encode the same isoform.