

Product datasheet for **RG215093**

Pea3 (ETV4) (NM_001986) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pea3 (ETV4) (NM_001986) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pea3
Synonyms:	E1A-F; E1AF; PEA3; PEAS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215093 representing NM_001986
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGAGGATGAAAGCCGATACTTGGACCAGCAAGTGCCTACACCTTCAGCAGCAAATCGCCCC
 GAAATGGGAGCTTGC CGCAAGCGCTGATCGGCCGCTGGGGAAGCTCATGGACCCGGGCTCCTGCCGCC
 CCTCGACTCTGAAGATCTCTCCAGGATCTAAGTCACTTCCAGGAGACGTGGCTCGCTGAAGCTCAGGTA
 CCAGACAGTGTGAGCAGTTTGTCTGATTTCCATTAGAAAACCTAGCTTTCCACAGCCCCACCACCA
 GGATCAAGAAGGAGCCCCAGAGTCCCCGCACAGACCCGGCCCTGTCTGCAGCAGGAAGCCGCCACTCCC
 CTACCACCATGGCGAGCAGTGCCTTTACTCCAGTGCCTATGACCCCCCAGACAAATCGCCATCAAGTCC
 CCTGCCCTGGTGCCTTGGACAGTCGCCCTACAGCCCTTTCCCGGGCAGAGCAACGGAATTTCTGA
 GATCCTCTGGCACCTCCAGCCCCACCCTGGCCATGGGTACCTCGGGAACATAGCTCCGCTTCCAGCA
 GCCCTGGACATTTGCCACTCCTCACATCTCAGGGAGGGGGCCGGGAACCCCTCCAGCCCCCTACAA
 CACCAGCTGTCCGAGCCCTGCCACCCTATCCCCAGCAGAGCTTTAAGCAAGAATACCATGATCCCTGT
 ATGAACAGGCGGGCCAGCCAGCCGTGGACCAGGGTGGGGTCAATGGGCACAGGTACCCAGGGCGGGGGT
 GGTGATCAAACAGGAACAGACGGACTTCGCCTACGACTCAGATGTACCAGGGTGC GCATCAATGTACCTC
 CACACAGAGGGCTTCTCTGGGCCCTCTCCAGGTGACGGGGCCATGGGCTATGGCTATGAGAACTCTGC
 GACCATCCCAGATGATGTCTGCGTTGTCCCTGAGAAATTTGAAGGAGACATCAAGCAGGAAGGGGTCCG
 TGCATTTGAGAGGGGCCGCCCTACCAGCGCCGGGGTGCCTGCAGCTGTGGCAATTTCTGGTGGCTTG
 CTGGATGACCCAACAATGCCCATTTTATTGCCTGGACGGGCCGGGAATGGAGTTCAAGCTCATTGAGC
 CTGAGGAGTCCG CAGGCTCTGGGCATCCAGAAGAACCAGCCAGCCATGAATTACGACAAGCTGAGCCG
 CTCGCTCCGATACTATTATGAGAAAGGCATCATGCAGAAGGTGGCTGGTGGAGCGTTACGTGTACAAGTTT
 GTGTGTGAGCCCGAGGCCCTCTTCTTTGGCCTTCCCGACAATCAGCGTCCAGCTCTCAAGGCTGAGT
 TTGACCGGCTGTGAGTGGAGGACACAGTCCCTTTGTCCACTTGGATGAGAGCCCCGCCTACCTCCC
 AGAGCTGGCTGGCCCCGCCAGCCATTTGGCCCCAAGGGTGGCTACTCTTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215093 representing NM_001986
 Red=Cloning site Green=Tags(s)

MERRMKAGYLDQQVYTFSSKSPGNGLREALIGPLGKLMDPGSLPPLDSEDLFQDL SHFQETWLAEAQV
 PDSDEQFVPDFHSENLA FHSPTRIKKEPQSPRTDPALSCSRKPPLPYHHGEQCLYSSAYDPPRQIAIKS
 PAPGALGQSPLQPFPRAEQRNLRSSGTSQPHPGHYLGEHSSVFQQPLDICHSFTSQGGGREPLPAPYQ
 HQLSEPCPPYPQSFKQEYHDPLYEQAGQPAVDQGGVNGHRYPGAGVVIKQEQTDFAYDSVDTGCASMYL
 HTEGFSGPSGDGAMGYEYKPLRPFDDVCVPEKFEGDIKQEGVGA FREGPPYQRRGALQLWQFLVAL
 LDDPTNAHFIAWTGRGMEFKLIEPEEARLWGIQKNRPAMNYDKLSRSLRYYYEKGIMQKVAGERVYYKF
 VCEPEALFSLAFDPNQRPAKAEFDRPVSEEDTVPLSHLDESPAYLPELAGPAQPF GPKGGYSY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001986

ORF Size: 1452 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 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](#)

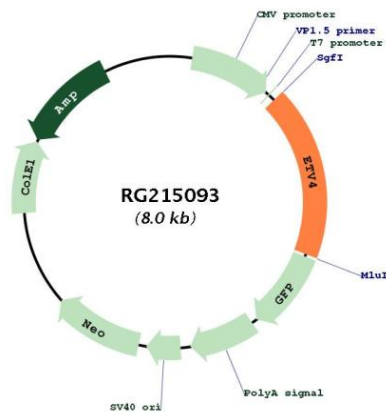
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001986.4
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]

Product images:



Circular map for RG215093