

Product datasheet for **RG234122**

Pea3 (ETV4) (NM_001261438) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pea3 (ETV4) (NM_001261438) 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:

>RG234122 representing NM_001261438
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCCGGGCTCCCTGCCGCCCTCGACTCTGAAGATCTCTCCAGGATCTAAGTCACTTCCAGGAGA
 CGTGGCTCGCTGAAGCTCAGGTACCAGACAGTGATGAGCAGTTTGTTCCTGATTTCCATTAGAAAACT
 AGCTTTCACAGCCCCACCACCAGGATCAAGAAGGAGCCCCAGAGTCCCCGCACAGACCCGGCCCTGTCC
 TGCAGCAGGAAGCCGCACTCCCCTACCACCATGGCGAGCAGTGCCTTTACTCCAGTGCCTATGACCCCC
 CCAGACAAATCGCCATCAAGTCCCCTGCCCTGGTGCCTTGGACAGTGCCTTACAGCCCTTCCCGG
 GGCAGAGCAACGGAATTTCTGAGATCCTCTGGCACCTCCAGCCCCACCCTGGCCATGGGTACCTCGGG
 GAACATAGCTCCGTCTTCCAGCAGCCCCGGACATTTGCCACTCCTTACATCTCAGGGAGGGGGCCGGG
 AACCCCTCCAGCCCCCTACCAACACCAGCTGTGGAGCCCTGCCACCCTATCCCCAGCAGAGCTTTAA
 GCAAGAATACCATGATCCCCTGTATGAACAGGCGGGCCAGCCAGCCGTGGACCAGGGTGGGGTCAATGGG
 CACAGGTACCCAGGGGCGGGGGTGGTGATCAAACAGGAACAGACGGAATTCGCCTACGACTCAGATGTCA
 CCGGGTGCATCAATGTACCTCCACACAGAGGGCTTCTCTGGGCCCTCTCCAGGTGACGGGGCCATGGG
 CTATGGCTATGAGAACTCTGCGACCATTTCCAGATGATGTCTGCGTTGTCCCTGAGAAATTTGAAGGA
 GACATCAAGCAGGAAGGGTCCGTGCATTTTCGAGAGGGGCGCCCTACCAGCGCCGGGGTCCCTGCAGC
 TGTGGCAATTTCTGGTGGCTTGTCTGGATGACCAACAATGCCATTTTATTGCCTGGACGGGCGGGGG
 AATGGAGTTCAAGCTCATTGAGCCTGAGGAGGTGCCAGGCTCTGGGGCATCCAGAAGAACCAGCCAGCC
 ATGAATTACGACAAGCTGAGCCGCTCGCTCCGATACTATTATGAGAAAGGCATCATGCAGAAGGTGGCTG
 GTGAGCGTTACGTGTACAAGTTTGTGTGTGAGCCCGAGGCCCTCTCTTTGGCCTTCCCGGACAATCA
 GGTCCAGCTCTCAAGGCTGAGTTTGACCGCCCTGTAGTGAGGAGGACACAGTCCCTTTGTCCCACTTG
 GATGAGAGCCCCGCTACCTCCAGAGCTGGCTGGCCCCGCCAGCCATTTGGCCCCAAGGGTGGCTACT
 CTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234122 representing NM_001261438
 Red=Cloning site Green=Tags(s)

MDPGSLPPLDSEDLFQDLSHFQETWLAEAQVPDSDEQFVPDFHSENLAHSPTRIKKEPQSRTDPALS
 CSRKPPLPYHHGEQCLYSSAYDPPRQIAIKSPAPGALGQSPLQPFPRAEQRNFLRSSGTSQPHPHGYLG
 EHSSVFQQPLDICHSFTSQGGGREPLPAPYQHLSEPCPPYPQQSFKQEYHDPLYEQAGQPAVDQGGVNG
 HRYPGAGVVIKQEQTDFAYDSDVTGCASMYLHTEGFSGPSGPDGAMGYGYEKPLRPFDDVCVVPEKFEG
 DIKQEGVAFREGPPYQRRGALQLWQFLVALLDDPTNAHFIAWTGRGMEFKLIEPEEVARLWGIQKNRPA
 MNYDKLSRSLRYYYEKIMQKVAGERYVYKFCPEPEALFSLAFDPNQRPAKAEFDRPVSEEDTVPLSHL
 DESPAYLPELAGPAQPFQPKGGYSY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001261438

ORF Size: 1335 bp

OTI Disclaimer: 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_001261438.3](#)

RefSeq Size: 2187 bp

RefSeq ORF: 1338 bp

Locus ID: 2118

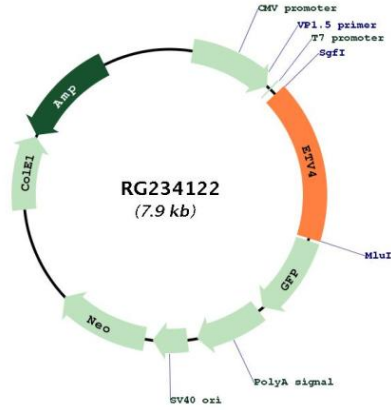
UniProt ID: [P43268](#)

Cytogenetics: 17q21.31

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 RG234122