

Product datasheet for **RC234122**

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:	Myc-DDK
Symbol:	Pea3
Synonyms:	E1A-F; E1AF; PEA3; PEAS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234122 representing NM_001261438
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCGGGCTCCCTGCCGCCCTCGACTCTGAAGATCTCTCCAGGATCTAAGTCACTTCCAGGAGA
 CGTGGCTCGTGAAGCTCAGGTACCAGACAGTGATGAGCAGTTTGTTCCTGATTTCCATTAGAAAACT
 AGCTTTCACAGCCCCACCACCAGGATCAAGAAGGAGCCCCAGAGTCCCCGCACAGACCCGGCCCTGTCC
 TGCAGCAGGAAGCCGCACTCCCCTACCACCATGGCGAGCAGTGCCTTTACTCCAGTGCCTATGACCCCC
 CCAGACAAATCGCCATCAAGTCCCCTGCCCTGGTGCCCTTGGACAGTGCCTTACAGCCCTTCCCGG
 GGCAGAGCAACGGAATTTCTGAGATCCTCTGGCACCTCCAGCCCCACCCTGGCCATGGGTACCTCGGG
 GAACATAGCTCCGTCTTCCAGCAGCCCCGGACATTTGCCACTCCTTACATCTCAGGGAGGGGGCCGGG
 AACCCCTCCAGCCCCCTACCAACACCAGCTGTGGAGCCCTGCCACCCTATCCCAGCAGAGCTTTAA
 GCAAGAATACCATGATCCCTGTATGAACAGGCGGGCCAGCCAGCCGTGGACCAGGGTGGGGTCAATGGG
 CACAGGTACCCAGGGGCGGGGGTGGTGATCAAACAGGAACAGACGGAATTCGCCTACGACTCAGATGTCA
 CCGGGTGCGCATCAATGTACCTCCACACAGAGGGCTTCTCTGGGCCCTCTCCAGGTGACGGGGCCATGGG
 CTATGGCTATGAGAACTCTGCGACCATTTCCAGATGATGTCTGCGTTGTCCCTGAGAAATTTGAAGGA
 GACATCAAGCAGGAAGGGGTCCGTGCATTTTCGAGAGGGGCGCCCTACCAGCGCCGGGGTCCCTGCAGC
 TGTGGCAATTTCTGGTGGCTTGTCTGGATGACCAACAATGCCATTTTATTGCCTGGACGGGCGGGGG
 AATGGAGTTCAAGCTCATTGAGCCTGAGGAGTGCAGGCTCTGGGGCATCCAGAAGAACCAGCCAGCC
 ATGAATTACGACAAGCTGAGCCGCTCGCTCCGATACTATTATGAGAAAGGCATCATGCAGAAGGTGGCTG
 GTGAGCGTTACGTGTACAAGTTTGTGTGTGAGCCCGAGGCCCTTCTCTTTGGCCTTCCCGGACAATCA
 GGTCCAGCTCTCAAGGCTGAGTTTTCAGCGCCCTGTGAGTGGAGGAGACACAGTCCCTTTGTCCCCTTG
 GATGAGAGCCCCCTACCTCCAGAGCTGGCTGGCCCCGCCAGCCATTTGGCCCCAAGGGTGGCTACT
 CTTAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234122 representing NM_001261438
 Red=Cloning site Green=Tags(s)

MDPGSLPPLDSEDLFQDLSHFQETWLAEAQVPDSDEQFVPDFHSENLAFHSPTTRIKKEPQSPRTDPALS
 CSRKPLPYHHGEQCLYSSAYDPPRQIAIKSPAPGALGQSPLQPFPRAEQRNFLRSSGTSQPHPHGHLG
 EHSSVFQQPLDICHSFTSQGGGREPLPAPYQHLSEPCPPYPQSFQKQYHDPLYEQAGQPAVDQGGVNG
 HRYPGAGVVIKQEQTDFAYDSVDTGCASMYLHTEGFSGPSGDGAMGYGYEKPLRPFDDVCVVPEKFEF
 DIKQEGVGAFFREGPPYQRRGALQLWQFLVALLDDPTNAHFIAWTGRGMEFKLIEPEEVARLWGIQKNRPA
 MNYDKLSRSLRYYYEKGIMQKVAGERYVYKFVCEPEALFSLAFPDNQRPALKAEFDRPVSEEDTVPLSHL
 DESPAYLPELAGPAQPFPGKGGYSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

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](#)

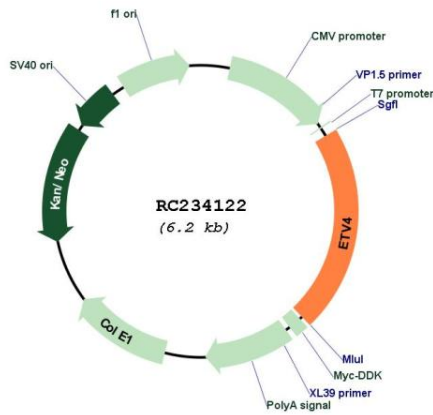
Cytogenetics: 17q21.31

Protein Families: Druggable Genome, Transcription Factors

MW: 50.1 kDa

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 RC234122