

## Product datasheet for **MR225586**

### **Etv4 (NM\_008815) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Etv4 (NM_008815) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etv4
Synonyms:	AW414408; Pea-3; Pea3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR225586 representing NM\_008815  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGCGGAGGATGAAAGGCGGATACTTGGACCAGCGAGTGCCTACACCTTCTGCAGCAAATCTCCCG  
 GAAATGGGAGCTTGGCGAAGCGCTGATGGTCCCGCAGGGAAAGCTCATGGACCCGGGCTCCTGCCGCC  
 TTCCGACTCAGAAGATCTCTTCCAGGACCTCAGTCACTTCCAAGAGACGTGGCTCGCAGAAGCTCAGGTA  
 CCGGACAGTGATGAGCAGTTTGTCTGATTTCCATTAGAAAATCTTTCCATAGCCCCACCACCAGGA  
 TCAAGAAGGAACCCAGAGTCCCGCACAGACCCCGCCTGTCTGCAGCAGGAAGCCACCCTCCCTA  
 CCACCATGGAGAGCAGTGCCTTTACTCCAGTGCCTATGACTCCCCAGACAAATCGCCATCAAGTCCCC  
 GCCCCCGTGGCCCTGGACAGTGCCTTGCAGCCCTTTCCAGGGCAGAACAGCAGCAGAGCCTCTGA  
 GAGCTCCAGCTTCCAGTCCACCCGGCCACGGGTACCTTGGTGGCAGCAGCTCCGTCTCCAGCA  
 GCCCGTGGACATGTGCCACTCCTCACATCTCCTCAGGGAGGGGGCCGGGAACCTCTCCAGCCCCCTAT  
 CAACACCAACTGTCGGAGCCCTGCCACCTACCCCGCAGAGAATTTCAAGCAGGAGTACCATGACCCCC  
 TGTACGAACAGGCTGGCCAGCCCGCTTCAAGCCAGGGTGGGGTCAAGTGGGCACAGGTACCCAGGGCGGG  
 GGTGGTGTCAAACAGGAGCGCACAGACTTCGCCTACGACTCAGATGTCCCTGGATGTGCATCAATGTAC  
 CTCCACCCAGAGGGCTTCTCTGGACCCTCTCCAGGTGATGGAGTATGGGTTATGGCTATGAAAAATCCC  
 TTCGACCATTTCCAGATGATGTCTGCATTGTCCCTGAAAAATTTGAAGGAGACATCAAGCAGGAAGGGAT  
 TGGAGCTTCCGGGAGGGGCCACCCTACCAGCGCCGGGTGCCTTACAAGTGGCAGTTTCTGGTGGCC  
 CTGCTGGATGACCAACAAATGCTCATTTCATTGCTTGGACAGCCGGGAATGGAGTTAACTAATTG  
 AACCTGAAGAGGTTGCCAGGCTCTGGGGTATCCAGAAGAACCAGCCAGCCATGAATTATGACAAGCTGAG  
 CCGCTCGCTGCGATACTATTATGAGAAAAGCATCATGCAGAAGGTGGCTGGCGAACGCTACGTGTACAAG  
 TTTGTGTGCGAGCCGGAGGCCCTGTTCTCTGTCCTCCAGATAATCAACGTCCAGCTCTGAAGGCTG  
 AGTTTGACCGCCAGTCAAGTGGAGGACACAGTCCCTTTGTCCACTTGGATGAGAGTCTGCCTACCT  
 CCCAGAACTCACTGGCCCGCTCCGCCCTTCGGCCACAGAGGTGGATATTCTTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR225586 representing NM\_008815  
 Red=Cloning site Green=Tags(s)

MERRMKGGYLDQRVPTFCSPKSPNGSLGEALMVPQKLMDPGSLPPSDEDLFQDLSHFQETWLAEAQV  
 PDSDEQFVPDFHSENSFHSPTRIKKEPQSPRTDPALSCSRKPLPYHHGEQCLYSSAYDSRQIAIKSP  
 APGAPGQSPLQPFRAEQQSLLRASSSSQSHPHGYLGEHSSVFQQPVDMCHSFTSPQGGREPLPAPY  
 QHQLSEPCPPYPQNFQYHDPLYEQAGQPASSQGGVSGHRYPGAGVVIKQERTDFAYDSDVPGCASMY  
 LHPEGFSGPSPGDGYMGYKSLRPFDDVCI VPEKFEQDIKQEGIGAFREGPPYQRRGALQLWQFLVA  
 LLDDPTNAHFIAWTGRGMEFKLIEPEEVARLWGIQKNRPAMNYDKLSRSLRYYYEKIMQKVAGERVYVK  
 FVCEPEALFSLAFPDNQRPAKAEFDRPVSEEDTVPLSHLDESPAYLPELTGPAPPFGHRGGYSY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1739\\_e05.zip](https://cdn.origene.com/chromatograms/ja1739_e05.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**ACCN:** NM\_008815

**ORF Size:** 1455 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](#)

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

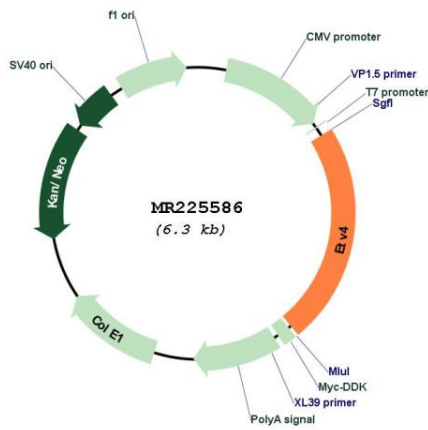
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_008815.3, NP\\_032841.2](#)  
**RefSeq Size:** 2336 bp  
**RefSeq ORF:** 1458 bp  
**Locus ID:** 18612  
**UniProt ID:** [P28322](#)  
**Cytogenetics:** 11 65.48 cM  
**MW:** 54.5 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'. May play a regulatory role during embryogenesis. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR225586