

Product datasheet for **MR223566**

Etv6 (NM_007961) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etv6 (NM_007961) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etv6
Synonyms:	AW123102; AW557856; Te; Tel
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223566 representing NM_007961
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGAGACTCCTGCTCAGTCTAGCATTAAAGCAGGAACGAATTCATACACGCCCCAGAGAGTCCAG
 TGGCAAGCCACCGTTCTCGACTCCGCTTCATGTTACACAGTGCCTCGAGCGCTCAGGATGGAGGAAGA
 CTCGATCCACCTGCCAACACACCTGCGTTTGCAGCCGATTTACTGGAGCAGAGATGACGTAGCCAGTGG
 CTCAAGTGGGCAGAAAATGAGTTTTCTTTAAGGCCATTGAGAGCAACAAGTTCGAAATGAATGGCAAGG
 CCCTCCTGCTGCTGACCAAAGAGGATTTCCGCTACCGATCTCCTCATTAGGGCAGCTGCTCTATGAACT
 CCTTCAGCATATCCTGAAGCAGAGGAAATCTCGAATGCTCTTCTCACCATTCTTCCCCCTGGGGACTCT
 ATCCACACCAAGCCAGAGGTCTCCTGCATCAGAACCATGACGAAGATAACTGTGTCCAGAGGACACCCA
 GGACGCCCGGGAGAGCGTGCACCACAACCTCCACCATCGAATCTTACATCGCCCTAGGTACCCCAT
 CACCACAAACCACAGGCCTTCTCCTGACCCGAACAGCAGCGGCCCCAGCGGTCCCCCTAGACAACATG
 AGCCGCCGCTCTCGCCAGTGGAGAAAGCCAGGGGCCAGGCTACAGCAGGAGAACAACCACAGGAAA
 CGTACCCCTGTCAAGTGTCTCCTGTCGAGAATAATCACTGCCTGCCCTCAAGCCCTGGCAGGAGAGCAC
 TCGAGTGATCCAGCTGATGCCAGCCCCATCATGCACCCTTTGATCCTGAACCCCGGCACTCGCACTCG
 GTGGACTTCAAACAGTCCCGGCACTCCGAGGATGGGATGAATCGGGAAGGGAAGCCCATCAACCTGTCTC
 ATCGGGAGGACCTGGCTTACTTGAACCACATCATGGTCTCTATGTCCCCACCGGAAGAGCACGCCATGCC
 CATTGGGAGAATAGCAGACTGTAGACTGCTTTGGGATTATGTCTATCAGTTGCTGTCTGACAGCCGGTAC
 GAAAACCTCATCCGATGGGAGGACAAAGAATCCAAAATATTCCGGATAGTGGATCCCAACGGACTGGCTC
 GACTCTGGGAAACCATAAAGAACAGAACAAACATGACCTATGAGAAAATGTCCAGAGCCCTGCGCCATC
 CTACAAAATAAACATTATCAGGAAGGAGCCCGGACAAAGGCTTTTGTTCAGGTTTCATGAAAACCCAGAT
 GAGATCATGAGTGGCCGACAGACCGTCTAGAACACCTCGAGTCTCAAGTGTGGATGAACAAACGTACC
 AAGAGGATGAACCTACCATAGCCTCACCAGTGGCTGGCCAAGAGGAAACCTGCCACGGGGACCGCAGG
 AGGCGTGATGGAAGCAGGCGAGCTAGGGGTGGCTGTAAGGAAGAGACCCGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223566 representing NM_007961
 Red=Cloning site Green=Tags(s)

MSETPAQSSIKQERISYTPPEPVASHRSSTPLHVHTVPRALRMEEDSIHLPTHLRLQPIYWSRDDVAQW
 LKWAENEFSLRPIESNKFEMNGKALLLLTKEDFRYRSPHSGDVL YELLQHILKQRKSRMLFSPFFPPGDS
 IHTKPEVLLHQNHDEDNCVQRTPTPAESVHHNPPTIELLHRPRSPITTNHRPSDPPEQQRQPORSPLDNM
 SRRLSPVEKAQGPRLQQENNHQETYPLSVSPVENNHCLPSSPWQESTRVIQLMPSPIMHPLILNPRHSHS
 VDFKQSRHSEDGMNREGKPINLSHREDLAYLNHIMVSMSPPEEHAMPIGRIADCRLLWDYVYQLLSDSRV
 ENFIRWEDKESKIFRIVDPNGLARLWGNHKNRTNMTYEKMSRALRHYYKLNIRKEPGQRLLEFRMKTPD
 EIMSGTRDRLEHLESQVLDEQTYQEDEPTIASPVGWPRGNLPTGTAGGVMEAGELGVAVKEETRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2570_f09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_007961

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 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.

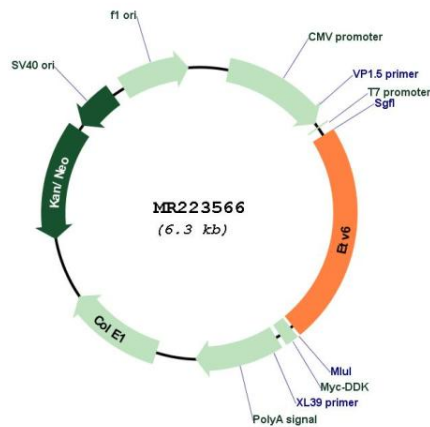
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_007961.4, NP_031987.3](#)
RefSeq Size: 5541 bp
RefSeq ORF: 1458 bp
Locus ID: 14011
UniProt ID: [P97360](#)
Cytogenetics: 6 64.58 cM
MW: 56.9 kDa

Gene Summary: This gene encodes a transcriptional repressor belonging to the ETS family of proteins. Knockout of this gene in mice results in embryonic lethality due to defective angiogenesis. In humans, this gene is often involved in chromosome rearrangements associated with specific cancers. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Product images:



Circular map for MR223566