

## Product datasheet for **MG223566**

### **Etv6 (NM\_007961) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Etv6 (NM_007961) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Etv6
Synonyms:	AW123102; AW557856; Te; Tel
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG223566 representing NM\_007961  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCTGAGACTCCTGCTCAGTCTAGCATTAAAGCAGGAACGAATTCATACACGCCCCAGAGAGTCCAG  
 TGGCAAGCCACCGTTCTCGACTCCGCTTCATGTTACACAGTGCCTCGAGCGCTCAGGATGGAGGAAGA  
 CTCGATCCACCTGCCAACACACCTGCGTTTGCAGCCGATTTACTGGAGCAGAGATGACGTAGCCAGTGG  
 CTCAAGTGGGCAGAAAATGAGTTTTCTTTAAGGCCATTGAGAGCAACAAGTTCGAAATGAATGGCAAGG  
 CCCTCCTGCTGCTGACCAAAGAGGATTTCCGCTACCGATCTCCTCATTAGGGCAGCTGCTCTATGAACT  
 CCTTCAGCATATCCTGAAGCAGAGGAAATCTCGAATGCTCTTCTCACCATTCTTCCCCCTGGGGACTCT  
 ATCCACACCAAGCCAGAGGTCTCCTGCATCAGAACCATGACGAAGATAACTGTGTCCAGAGGACACCCA  
 GGACGCCCGGGAGAGCGTGCACCACAACCTCCACCATCGAATCTTACATCGCCCTAGGTACCCCAT  
 CACCACAAACCACAGGCCTTCTCCTGACCCGAACAGCAGCGGCCCCAGCGGTCCCCCTAGACAACATG  
 AGCCGCCGCTCTCGCCAGTGGAGAAAGCCAGGGGCCAGGCTACAGCAGGAGAACAACCACAGGAAA  
 CGTACCCCTGTCAAGTGTCTCCTGTGAGAATAATCACTGCCTGCCCTCAAGCCCTGGCAGGAGAGCAC  
 TCGAGTGATCCAGCTGATGCCAGCCCCATCATGCACCCTTTGATCCTGAACCCCGGCACTCGCACTCG  
 GTGGACTTCAAACAGTCCCGGCACTCCGAGGATGGGATGAATCGGGAAGGGAAGCCCATCAACCTGTCTC  
 ATCGGGAGGACCTGGCTTACTTGAACCACATCATGGTCTCTATGTCCCCACCGGAAGAGCACGCCATGCC  
 CATTGGGAGAATAGCAGACTGTAGACTGCTTTGGGATTATGTCTATCAGTTGCTGTCTGACAGCCGGTAC  
 GAAAATTCATCCGATGGGAGGACAAAGAATCCAAAATATTCCGGATAGTGGATCCCAACGGACTGGCTC  
 GACTCTGGGAAACCATAAAGAACAGAACAAACATGACCTATGAGAAAATGTCCAGAGCCCTGCGCCACTA  
 CTACAAACTAAACATTATCAGGAAGGAGCCCGGACAAAGGCTTTTGTTCAGGTTTATGAAAACCCAGAT  
 GAGATCATGAGTGGCCGACAGACCGTCTAGAACACCTCGAGTCTCAAGTGTGGATGAACAAACGTACC  
 AAGAGGATGAACCTACCATAGCCTCACCAGTGGCTGGCCAAGAGGAAACCTGCCACGGGGACCGCAGG  
 AGGCGTGATGGAAGCAGGCGAGCTAGGGGTGGCTGTAAGGAAGAGACCCGGAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG223566 representing NM\_007961  
 Red=Cloning site Green=Tags(s)

MSETPAQSSIKQERISYTPPEPVASHRSSTPLHVHTVPRALRMEEDSIHLPTHLRLQPIYWSRDDVAQW  
 LKWAENEFSLRPIESNKFEMNGKALLLLTKEDFRYRSPHSGDVL YELLQHILKQRKSRMLFSPFFPPGDS  
 IHTKPEVLLHQNHDEDNCVQRTPRTPAESVHHNPPTIELLHRPRSPITTNHRPSPDPEQQRQSPLDNM  
 SRRLSPVEKAQGPRLQENNHQETYPLSVSPVENNHCLPSSPWQESTRVIQLMPSPIMHPLILNPRHSHS  
 VDFKQSRHSEDGMNREGKPINLSHREDLAYLNHIMVSMSPPEEHAMPIGRIADCRLLWDYVYQLLSDSRY  
 ENFIRWEDKESKIFRIYDPNGLARLWGNHKNRTNMTYEKMSRALRHYYKLNIRKEPGQRLFRFMKTPD  
 EIMSGRDRLEHLESQVLDEQTYQEDEPTIASPVGWPRGNLPTGTAGGVMEAGELGVAVKEETRE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

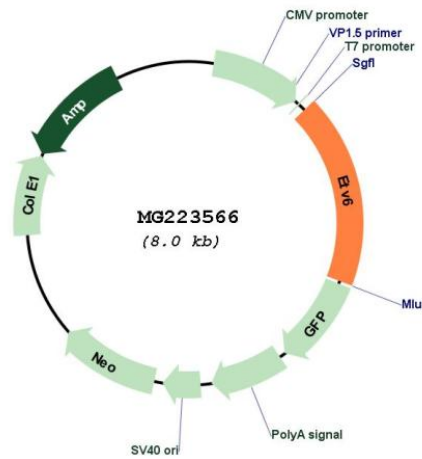
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_007961  
 ORF Size: 1455 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_007961.4</a> , <a href="#">NP_031987.3</a>
<b>RefSeq Size:</b>	5541 bp
<b>RefSeq ORF:</b>	1458 bp
<b>Locus ID:</b>	14011
<b>UniProt ID:</b>	<a href="#">P97360</a>
<b>Cytogenetics:</b>	6 64.58 cM
<b>Gene Summary:</b>	<p>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]</p>