OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC118922

ETV6 (NM_001987) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETV6 (NM_001987) Human Untagged Clone
Tag:	Tag Free
Symbol:	ETV6
Synonyms:	TEL; TEL/ABL; THC5
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_001987 edited
GAATTCGGCACGAGGAAACTTCTTAAATGACCGCGTCTGGCTGGCCGTGGAGCCTTTCTG
GGTTGGGGAGAGGAAAGGAAAGTGGAAAAAACCTGAGAACTTCCTGATCTCTCTCGCTGT
GAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAGCAGGAACGAATTTCATATACAC
CTCCAGAGAGCCCAGTGCCGAGTTACGCTTCCTCGACGCCACTTCATGTTCCAGTGCCTC
GAGCGCTCAGGATGGAGGAAGACTCGATCCGCCTGCCTGCGCACCTGCGCTTGCAGCCAA
TTTACTGGAGCAGGGATGACGTAGCCCAGTGGCTCAAGTGGGCTGAAAATGAGTTTTCTT
TAAGGCCAATTGACAGCAACACGTTTGAAATGAATGGCAAAGCTCTCCTGCTGCTGACCA
AAGAGGACTTTCGCTATCGATCTCCTCATTCAGGTGATGTGCTCTATGAACTCCTTCAGC
ATATTCTGAAGCAGAGGAAACCTCGGATTCTTTTTTCACCATTCTTCCACCCTGGAAACT
CTATACACACACAGCCGGAGGTCATACTGCATCAGAACCATGAAGAAGATAACTGTGTCC
AGAGGACCCCCAGGCCATCCGTGGATAATGTGCACCATAACCCTCCCACCATTGAACTGT
TGCACCGCTCCAGGTCACCTATCACGACAAATCACCGGCCTTCTCCTGACCCCGAGCAGC
GGCCCCTCCGGTCCCCCCTGGACAACATGATCCGCCGCCTCTCCCCGGCTGAGAGAGCTC
AGGGACCCAGGCCGCACCAGGAGAACAACCACCAGGAGTCCTACCCTCTGTCAGTGTCTC
CCATGGAGAATAATCACTGCCCAGCGTCCTCCGAGTCCCACCCGAAGCCATCCAGCCCCC
GGCAGGAGAGCACACGCGTGATCCAGCTGATGCCCAGCCCCATCATGCACCCTCTGATCC
TGAACCCCCGGCACTCCGTGGATTTCAAACAGTCCAGGCTCTCCGAGGACGGGCTGCATA
GGGAAGGGAAGCCCATCAACCTCTCTCATCGGGAAGACCTGGCTTACATGAACCACATCA
TGGTCTCTGTCTCCCCGCCTGAAGAGCACGCCATGCCCATTGGGAGAATAGCAGACTGTA
GACTGCTTTGGGATTACGTCTATCAGTTGCTTTCTGACAGCCGGTACGAAAACTTCATCC
GATGGGAGGACAAAGAATCCAAAATATTCCGGATAGTGGATCCCAACGGACTGGCTCGAC
TGTGGGGAAACCATAAGAACAGAACAAACATGACCTATGAGAAAATGTCCAGAGCCCTGC
GCCACTACTACAAACTAAACATTATCAGGAAGGAGCCAGGACAAAGGCTTTTGTTCAGGT
TTATGAAAACCCCAGATGAAATCATGAGTGGCCGAACAGACCGTCTGGAGCACCTAGAGT
CCCAGGAGCTGGATGAACAAATATACCAAGAAGATGAATGCTGAAGGAACCAACAGTCCA
CCTCAGCGGGCCAGCAGCCCAGGGAACCCCTGCCCACCAGGATTGCTGGAAGTGTGACGG
AGCAGGCGGGCTGAGGAGAGTGGAAAAGGAAGCGACCCAGAAATGGCAGGGACACTTCTC
TTGCAGACCAAGAGGGACCCTGGAGCACCTTAGACAAACTACCCAGCACAGGCGGGGCTG
GAATTCTGGCGGAGGGCACGAGCCTGGGACTCCATGTCACGTTTCCTTCTGATTTGGAAT
CTCTCCATCTGTAATTCCTCACCCTCACCCTTCCACCGTTGTTAGTATCATGGTGTTTTT
GTTTTTGTTTTTGTTTTAAGAACCTGCAGTTTGACTCTTCATCGTTCATCTAGGGGAAGA
CATCTGATGTTGTTTTCCTATGGAAATATATATCTATTATATATATATATTTTTTGCAAA
TCTCACAAAGTGCGGCAAGCCCAGCTGGTCAGGAAAGAGAATACTTGCAGAGGGGTTCAG
GTTCCTCTTTTTCCTGCCACGTGGATCAGGTCTGTTCCTGTTACTGTTGGGTCTTGGCTG
AAAAAAAAAAAATGXXXXXXXXXXXXXXXXXXXXXXCTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001987 unedited
GTCATACTTTGTATACGACTCATATAGGCGGCCGCNGAATTCGCACGAGGAAACTTCTTA
AAGGACCGCGTCTGGCTGGCCGTGGAGCCTTTCTGGGTTGGGGAGAGGAAAAGGAAGTGG
AAAAAACCTGAGAACTTCCTGATCTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCA
GTGTAGCATTAAGCAGGAACGAATTTCATATACACCTCCAGAAAGCCCAGTGCCGAGTTA
CGCTTCCTCGACGCCACTTCATGTTCCAGTGCCTCGAGCGCTCAGGATGGAGGAAGACTC
GATCCGCCTGCCTGCGCACCTGCGCTTGCAGCCAATTTACTGGAGCAGGGATGACGTAGC
CCAGTGGCTCAAGTGGGCTGAAAATGAGTTTTCTTTAAGGCCAATTGACAGCAACACGTT
TGAAATGAATGGCAAAGCTCTCCTGCTGCTGACCAAAGAGGACTTTCGCTATCGATCTCC
TCATTCAGGTGATGTGCTCTATGAACTCCTTCAGCATATTCTGAAGCAGAGGAAACCTCG
GATTCTTTTTTCACCATTCTTCCACCCTGGAAACTCTATACACACACAGCCGGAGGTCAT
ACTGCATCAGAACCATGAAGAAGATAACTGTGTCCAGAGGACCCCCAGGCCATCCGTGGA
TAATGTGCACCATAACCCTCCCACCTTGAACTGTTGCACCGCTCCAGGTCACCTATCACG
ACAAATCACCGGCCTTCTCCTGACCCCGAGCAGCAGCCCCCTCAGTCCCCCCTGGACACA
TGATCCGCCGCCTCTCCCCGGCTGAGAGAGCTCATGGGACCCAGCCGCACCAGAGAACAT
CACCAGGAGTCCTACCCTCTGTCAGTGTCTNCATGGGAGATAATCCTGCCCAGCGTCCTT
CGAGTCCACCCNGAGCATNCAGCNCNCGGCAGATAGCCAAGCGTGATCAACTGATGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001987 unedited
GAAATCTCCTTTTCATGTTACTTTTTTAAAACCTTTTTTTTTTTTTCAGCCAANACCCAAC
AGTAACAGGAACAGACCTGATCCACGTGGCAGGAAAAAGAGAACCTGAACCCCTCTGCAA
GTATTCTCTTTCCTGACCAGCTGGGCTTGCCGCACTTTGTGAGATTTGCAAAAAATATAT
ATATATAATAGATATATANTTTCCATTAGGAAAACAACATCAGATGTCTTCCCCTAGATG
AACGATGAAGAGTCAAACTGCAGGTTCTTAAAACAAAAACAAAAACAAAAACACCATGAT
ACTAACAACGGTGGAAGGGTGAGGGTGAGGAATTACAGATGGAGAGATTCCAAATCAGAA
GGAAACGTGACATGGAGTCCCAGGCTCGTGCCCTCCGCCAGAATTCCAGCCCCGCCTGTG
CTGGGTAGTTTGTCTAAGGTGCTCCAGGGTCCCTCTTGGTCTGCAAGAGAAGTGTCCCTG
CCATTTCTGGGTCGCTTCCTTTTCCACTCTCCTCAGCCCGCCTGCTCCGTCACACTTCCA
GCAATCCTGGTGGGCAGGGGTTCCCTGGGCTGCTGGCCCGCTGAGGTGGACTGTTGGTTC
CTTCAGCATTCATCTTCTTGGTATATTTGTTCATCCAGCTCCTGGGACTCTANGTGCTCC
AGACGGTCTGTTCGGCCACTCATGATTTCATCTGGGGGTTTCATAAACCTGAACAAAAGC
CNTTTGCCTGGCTCCTTCCTGATAAATGTTANTTTGGAGTAGTGGCGCAAGGCTCTGGAC
ATTNTCTCATAGGCATGTTTGTTCTGGTCTTATGGTTCCCACAGTCGAGCACTCCGTGGG
GATCACTATCCGGGATATTGGGATCTTGGGCTCCATCGGTGAAGTTTTCTCCCGGCTGTC
AAAACACTGATGACGTATTCAAACC

Restriction Sites: NotI-NotI

ACCN: NM_001987

Insert Size: 2240 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
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_001987.3, NP_001978.1
RefSeq Size:	5992 bp
RefSeq ORF:	1359 bp
Locus ID:	2120
UniProt ID:	P41212
Cytogenetics:	12p13.2
Domains:	ETS, SAM_PNT
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Dorso-ventral axis formation
Gene Summary:	This gene encodes an ETS family transcription factor. The product of this gene contains two functional domains: a N-terminal pointed (PNT) domain that is involved in protein-protein interactions with itself and other proteins, and a C-terminal DNA-binding domain. Gene knockout studies in mice suggest that it is required for hematopoiesis and maintenance of the developing vascular network. This gene is known to be involved in a large number of chromosomal rearrangements associated with leukemia and congenital fibrosarcoma. [provided by RefSeq, Sep 2008]