

Product datasheet for **SC116866**

ETS2 (NM_005239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETS2 (NM_005239) Human Untagged Clone
Tag:	Tag Free
Symbol:	ETS2
Synonyms:	ETS2IT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_005239 edited
GAATTCGGCACGAGGCTGACGAGTGCAGTTCGCTCCAGCTCAGAGCTCCCGGAGCCGCC
CGGCCAGCGTCCGGCCTCCCTGATCGTCTCTGGCCGGCGCCCTCGCCCTCGCCCGGCGCG
CACCGAGCAGCCGCGGGCGCCGAGCAGCCACCGTCCCGACCAAGCGCCGGCCCTGCCCGC
AGCGGCAGGATGAATGATTTTCGGAATCAAGAATATGGACCAGGTAGCCCTGTGGCTAAC
AGTTACAGAGGGACACTCAAGCGCCAGCCAGCCTTTGACACCTTTGATGGGTCCCTGTTT
GCTGTTTTTCTCTCTAAATGAAGAGCAAACACTGCAAGAAGTGCCAACAGGCTTGGAT
TCCATTTCTCATGACTCCGCCAACTGTGAATTGCCTTTGTTAACCCCGTGCAGCAAGGCT
GTGATGAGTCAAGCCTTAAAAGCTACCTTCAGTGGCTTCAAAAAGGAACAGCGGCGCCTG
GGCATTCCAAAGAACCCTGGCTGTGGAGTGAGCAACAGGTATGCCAGTGGCTTCTCTGG
GCCACCAATGAGTTCAGTCTGGTGAACGTGAATCTGCAGAGGTTCCGGATGAATGGCCAG
ATGCTGTGTAACCTTGGCAAGGAACGCTTTCTGGAGCTGGCACCTGACTTTGTGGGTGAC
ATTCTCTGGGAACATCTGGAGCAAATGATCAAAGAAAACCAAGAAAAGACAGAAGATCAA
TATGAAGAAAATTCACACCTCACCTCCGTTCTCATTGGATTAACAGCAATACATTAGGT
TTTGGCACAGAGCAGGCGCCCTATGGAATGCAGACACAGAATTACCCCAAAGCGGCGCTC
CTGGACAGCATGTGTCCGCGCTCCACACCCAGCGTACTCAGCTCTGAGCAGGAGTTTCAG
ATGTTCCCAAGTCTCGGCTCAGCTCCGTCAGCGTCACCTACTGCTCTGTGAGTCAAGGAC
TTCCCAGGCAGCAACTTGAATTTGCTCACCAACAATTCTGGGACGCCAAAGACCACGAC
TCCCCTGAGAACGGTGGGACAGCTTCGAGAGCTCAGACTCCCTCCTCCAGTCTCTGGAAC
AGCCAGTCGTCTTGTGGATGTGCAACGGGTTCTTCTTCGAGAGCTTCAAGATGAC
TGCAGCCAGTCTCTGCCTCAATAAGCCAACCATGTCTTTCAAGGATTACATCCAAGAG
AGGAGTGACCCGGTGGAGCAAGGCAAACCAGTTATACCTGCAGCTGTGCTGGCCGGCTTC
ACAGGAAGTGGACCTATTCAGCTGTGGCAGTTTCTCCTGGAGCTGTATCAGACAAATCC
TGCCAGTCATTCATCAGCTGGACTGGAGACGGATTGGGAGTTTAAAGCTCGCCGACCCCGAT
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AGCCGGGGCTTACGCTACTATTACGACAAGAACATCATCCACAAGACGTGGGGAAGCGC
TACGTGTACCGCTTCGTGTGCGACCTCCAGAACTTGTGGGGTTCAGCCCGAGGAACTG
CACGCCATCCTGGGCGTCCAGCCCGACACGGAGGACTGAGGTCCGCGGGACACCCTGAG
CCGGCCCCAGGCTCGTGGACTGAGTGGGAAGCCATCCTGACCAGCTGCTCCGAGGACCC
AGGAAAGGCAGGATTGAAAATGTCCAGGAAAGTGGCCAAGAAGCAGTGGCCTTATTGCAT
CCCAAACCACGCCTCTTGACCAGGCTGCCTCCCTTGTGGCAGCAACGGCACAGCTAATTC
TACTCACAGTGTCTTAAAGTAAAAATGGTTCGAGAAAGAGGCACCCGGGAAGCCGCTCCTGGC
GCCTGGCAGTCCGTGGGACGGGATGGTTCTGGCTGTTTGGATTCTCAAAGGAGCGAGCA
TGTCTGGACACACAGACTATTTTTAGATTTTCTTTTGCCTTTTGAACCAGGAAACAG
CAAATGCAAAAACCTTTTGGAGGGTAGGAGGGTGGGAAGGAAACAACCATGTCATTTCA
GAAGTTAGTTTGTATATATTATAATAATCTTATAAATTGTTCTCAGAATCCCTTAACAGTT
GTATTTAACAGAAATTGTATATTGAATTTAAAATAATTATATAACTGTATTTGAAATAA
GAATTCAGACATCTGAGGTTTTATTTCAATTTTCAATAGCACATATGGAATTTTGCAAG
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AGACTTACAGGGATAAAGCCTGTGGGGGTAATCCCTGCTTTTTTGTGTTTTTTTTGTTG
TTTTGTTTTGTTTTTGGGGGTTTTCTTGCCTTGGTTGCTGGCAAGGACTTTGTACA
TTTTGGGAGTTTTTATGAGAACTTAAATGTTATTATCTGGGCTTATATCTGCCTCTGCT
TTCTCCTTTAATTGTAAGTAAAAGCTATAAAGCAGTATTTTTCTTGAAAAAAAAAAAAA
AAAAACTCGAC
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005239 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCTGACGAGTGC GG TGTGCGT CCAGCTCAGAGCTCCCGGAGCCGCCCGCCAGCGTCCGGCCTCCCTGATCGTCTCTGGCC GGCGCCCTCGCCCTCGCCCGGCGCGCACCGAGCAGCCGGGGCGCCGAGCAGCCACCGTC CCGACCAAGCGCCGGCCCTGCCCGCAGCGGCAGGATGAATGATTCGGAATCAAGAATAT GGACCAGGTAGCCCTGTGGCTAACAGTTACAGAGGGACACTCAAGCGCCAGCCAGCCTT TGACACCTTTGATGGGTCCCTGTTTGTCTTTTTCTTCTAAATGAAGAGCAAACACT GCAAGAAGTGCCAACAGGCTTGGATTCCATTTCTCATGACTCCGCCAACTGTGAATTGCC TTTGTTAACCCCGTGCAGCAAGGCTGTGATGAGTCAAGCCTTAAAAGCTACCTTCAGTGG CTTCAAAAAGGAACAGCGGCGCCTGGGCATTCCAAAGAACCCTGGCTGTGGAGTGAGCA ACAGGTATGCCAGTGGCTTCTCTGGGCCACCAATGAGTTCAGTCTGGTGAACGTGAATCT GCAGAGGTTCCGCATGAATGGCCAGATGCTGTGTAACCTTGGCAGGAACGCTNCTGGAG CTGGCACCTGACTTTGGGGTGACATTCTCTGGGAACATCTGNNAGCAATGATCAAAGAAN ACCAAGAAAAGACAGAAGAATCATATGAAGAAAAATCCACCTCACCTCCGTTCTCATTG GGATAAACAGCATACATTANGGTTNTGGCACAGAGCAGGCGCCCTATGGAATGCAGCACA GNAATACCCCAAGGCCGCTCCTGGACAGAATGTGTGGGCTCCACACCACGTACTCAC TCTGAGCAGAGTTTCAGATGTCCCCAGTCTCGGTCACTCCGTAAGGGTACTACTGCTTGT N</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005239 unedited CGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTTCAAAAAAAACTGCTTTATA GCTTTTACTTTACAATTAAGGAGAAAAGCAGAGCCAGATATAAGCCAGATAATAACAT TTAAGTTTCTCATAAAAACTCCCAAATGTACAAAGTCCTTGCCAGACAACCAAGGCAAGA AAACCCCCCAAAAAACAAACAAACAAACAAACAAAAAAACACAAAAAGCAGGGATTACCC CCCACAGGCCTTATCCCTGTAAGTCTATTAATGTGAATAATACATACTTTACAACGTCT CTTATTCGGCCCTTGGCAGATTAATCTTTGCAAAATCCATATGTGCTATTGAAAAATG AAATAAACCTCAGATGTCTGAATTCCTATTTCAAATACAGTTATATAATTATTTTAAAT TACAATATACAATTTCTGTTAAATACTAAGTTAAGGGATTCTGAGAACAATTATAAGAT TATTATAATATACAACTAACTTCTGAAATGACATGGTTGTTTCTTCCACCCTCCT ACCCTCTCAAAGAGTTTTTGCAATTTGCTTCTGGTTGCAAAAAGGCAAAAAGAAAACTA AAAATAGTCTGTGTGTGCCACGACATGCTCGCTCCTTTGAGAATCTCAAACAGCCAGAA CCATCCCGTCCCACGACTGCCAGGCGCCAGGACGGCTTCCCGGTGCCTTTTCTCGACC ATTTTCACTTAAAAGCACTGTGAGTAAAATTAGCTGTGCCGTTGCTGCCACAAGGGAGGC ACCCTGCTCAAGAAGCGTGGTTTGGGATGCAATAAAGCCACTGCTTCTTGGCCACTTNC TGGACATTNTCAATCCTGCCTTTCTGGGTCTCNGAGCACCTGGTCAGGATGGGCTTCC ACTCATCCAGAGCCTGGGCCNGTCTCAGGTGGTCCCGGACCTCATCCTTCGTGTGGGC TGGACGCCAGATGGCGGAGTCCCTGCGCGAG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005239
Insert Size:	2560 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_005239.4 , NP_005230.1
RefSeq Size:	3672 bp
RefSeq ORF:	1410 bp
Locus ID:	2114
UniProt ID:	P15036
Cytogenetics:	21q22.2
Domains:	ETS, SAM_PNT
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Dorso-ventral axis formation
Gene Summary:	<p>This gene encodes a transcription factor which regulates genes involved in development and apoptosis. The encoded protein is also a protooncogene and shown to be involved in regulation of telomerase. A pseudogene of this gene is located on the X chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter protein (isoform 1).</p>