

Product datasheet for **SC116972**

TLE3 (NM_005078) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE3 (NM_005078) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLE3
Synonyms:	ESG; ESG3; GRG3; HsT18976
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_005078, the custom clone sequence may differ by one or more nucleotides

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ATGTATCCGCAGGGCAGACATCCGGCTCCCATCAACCCGGGCAGCCGGGATTTAAATTCACGGTGGCTG
AGTCTTGTGACAGGATCAAAGACGAATTCAGTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTA
CGACAAGCTGGCAAACGAGAAGACGGAGATGCAGCGCCATTATGTGATGTACTATGAGATGTCCTATGGC
TTGAACATTGAAATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATTTTAGCACAGATCATGC
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GGAGCTGAACGCCATCATCGGGCAGCAGAGCTCCAGGCGCAGCACCTCTCCCATGCCACACACGGCCCC
CCGGTCCAGTTGCCACCCACCCGTCAGGTCTCCAGCCTCCAGGAATCCCCCAGTGACAGGGAGCAGCT
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AGTGAGAAGCACCAGGGCTCTGCGGACTACAGCATGGAAGCCAAGAAGCGGAAGGCGGAGGAGAAGGACA
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CGCAACGCCCCGGGTGAGCCCGGCACACTCCCCTCCTGAAAATGGGCTGGACAAGGCCCGTAGCCTGAAA
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TGAGCCACCATGAGATGAACGGCTCCCTCACCAGTCTGGCGCCTACGCCGGCCTCCACAACATCCCACC
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ACCAAACCTGTGGACAGGGGGCCTGGACAACACGGTGCCTCCTGGGACCTGCGGGAGGGCCGACAGCTAC
AGCAGCATGACTTCACTTCCCAGATCTTCTCGTGGGCTACTGCCCCACTGGGGAGTGGTGGCTGTGGG
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TGACATTTAGCGGATGACAAATACATTGTAACAGGCTCTGGTGACAAGAAGGCCACAGTTTATGAGGTC
ATCTACTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005078 unedited
 CCATTTGTAAACGACTTATATAGCGGCCGCGCAATTCGCACCAGTCCACGCTCTCGGAA
 TCACGACCCCTCCCTGCCATGTATCCGCAGGGCAGACATCCGGCTCCCCATCAACCCGGG
 CAGCCGGGATTTAAATTCACGGTGGCTGAGTCTTGTGACAGGATCAAAGACGAATCCAG
 TTCCTGCAAGCTCAGTATCACAGCCTCATAGTGGAGTACGACAAGCTGGCAAACGAGAAG
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 ATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATTTTAGCACAGATCATGCCT
 TTCCTGTACAAGAGCACCAGCAGCAGGTGGCGCAGGAGTGGAGCGCGCCAAGCAGGTC
 ACCATGACGGAGCTGAACGCCATCATCGGGCAGCAGCTCCAGGCGCAGCACCTCTCC
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 CAGGCCATCTGACGGTGAAGGATGAGAAGAACCACCATGAACTCGATCACAGAGAGAGA
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 CGNGCTCTCGGACTACAGCATGGAAGCAAGAAAGCGAAGGCNGAGGAGAAGGACAGC
 TTGAGCCGATACGACAGTGTGGGACAAGAGTGTATCTGGTGGTGGATGTTTCCAAA
 TGAAGACCCGCACGCCCGGGTACGCCCGCACACTCCCTCCCTGAAATGGGCTGNNACA
 GGCCNGTAGCCTGAANAAAAGATGCCCCACAGCCTGGCTCGNTGNNCTCTTCAGTAGCA
 CACCTTCTNNCAGACAAAGACCTGGTCATN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005078 unedited
 GGACAACCTATGGACGCGCCGCTTCTTAAGATCGATTTTTTTTTTTTTTTTTTTTTTTTT
 TTTGGAATTTCCGGGGGAAGGGCCTCCTTTCCATTGTTAATCCCGAATTAGAAGTC
 GGTTTTTAACATTTTTAAAAATTTGGGCCCTGAAAAATCGGAAAAAAAAAACCCCCC
 ATCCCAAAGAAAAATTTGGGGTCCATTCCAGCACCCCAACCAAGGGGAGGGACAGGG
 CAAAAAAAAAGGGAAAAACAACCAAACTCTTGACCGGGTTGGGGGAAACCGAACCC
 TTAACCTCCAATAAATTTTTTGTACCACCTGCCACCATTTGTTAAGGGGAGGAGGAGA
 ACCAAAACCTTCCAAGTCTGGGAAACATAATTCCAGGCCAGAAATCCAACTGGGA
 CGGGGAACGTGCCCTTAAGCCGGCCGAAGCGAACCCCTGAACCTGGGTGCCTGGGGC
 CAATCCTCGCCATCCTGGGGCCCTCCCTGGGGTCTCCCTGTAACCACTTCCG
 TTTTCCCAAATTTTACAGCCCTGCTGAAGTTCTGGTTAATTAATAACCTCTTAAACG
 GGGCCTTCTGTAAACCAAGCCGTTACAAGGAATTGGTAATCCGCTGAAATGTCCAAC
 TCAGAACGAACAAGGATTCTTAAACTGGATATATGCTGCTCCATAAAGCGTCTTCCAGC
 CGTTGAAAAGGTATCTTTCCATTGCTCACAACCACTTGCCGATTAGGCGAACTGTGA
 GGAAAGCACCCCACTTTTCTGCAGGTCCAAGTGGGACTTGTGAGGCTGGTGTGGGGCA
 CAACCTCAAGTGGTGGTTTTTCATGCCCAAGGCAGCCATTCCAGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_005078

Insert Size:

2750 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:

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_005078.1](#), [NP_005069.1](#)

RefSeq Size: 5760 bp

RefSeq ORF: 5760 bp

Locus ID: 7090

UniProt ID: [Q04726](#)

Cytogenetics: 15q23

Domains: WD40, TLE_N

Protein Families: Transcription Factors

Gene Summary: This gene encodes a transcriptional co-repressor protein that belongs to the transducin-like enhancer family of proteins. The members of this family function in the Notch signaling pathway that regulates determination of cell fate during development. Expression of this gene has been associated with a favorable outcome to chemotherapy with taxanes for ovarian carcinoma. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.