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Product datasheet for SC126383

TLE3 (BC041831) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE3 (BC041831) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLE3
Synonyms:	enhancer of split groucho 3; ESG; ESG3; FLJ39460; GRG3; HsT18976; KIAA1547; transducin-like enhancer of split 3 (E(sp1) homolog, Drosophila); transducin-like enhancer of split 3, homolog of Drosophila E(sp1); transducin-like enhancer protein 3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for BC041831 edited
AATTCCGCGCGAGTGGCGCGGGGGGCTGCTTGTGTTCCAGGGGGAGCTGTTCACGCGGTC
CCCGGCCCCGCTCTGAAGTCTCCCAACTCACCCGGCTTGTCTCCCGCCCCCGCCTTACTG
GGGAGAGGGAGGCCCTTGGTGAAAGGCATGGGAGCCCCGCTGCCGACGGGGAGAGATGGG
GCGCCCCCCCTCCGCCCCGTCGGAGAGCTGAGAAACTTGCTGGGAAGGTTCTGGGCTGAG
GGTGGCCTCTTTTGGTTGGGCGCCGTTGGGGAGGGGCCGGGGCCGCTCTGAGCGCGGTCT
CATGCCCCCGCCCCCTCCCCTGTCTTGTCTTCGCGGGCTCCAGGCTCCCCATCAACCCGG
GCAGCCGGGATTTAAATTCACGGTGGCTGAGTCTTGTGACAGGATCAAAGACGAATTCCA
GTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTACGACAAGCTGGCAAACGAGAA
GACGGAGATGCAGCGCCATTATGTGATGTACTATGAGATGTCCTATGGCTTGAACATTGA
AATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATTTTAGCACAGATCATGCC
TTTCCTGTCACAAGAGCACCAGCAGCAGGTGGCGCAGGCAGTGGAGCGCGCCAAGCAGGT
CACCATGACGGAGCTGAACGCCATCATCGGGCAGCAGCTCCAGGCGCAGCACCTCTCCCA
TGCCACACACGGCCCCCCGGTCCAGTTGCCACCCCACCCGTCAGGTCTCCAGCCTCCAGG
AATCCCCCCAGTGACAGGGAGCAGCTCCGGGCTGCTGGCACTGGGCGCCCTGGGCAGCCA
GGCCCATCTGACGGTGAAGGATGAGAAGAACCACCATGAACTCGATCACAGAGAGAGAGA
ATCCAGTGCGAATAACTCTGTGTCACCCTCGGAAAGCCTCCGGGCCAGTGAGAAGCACCG
GGGCTCTGCGGACTACAGCATGGAAGCCAAGAAGCGGAAGGCGGAAGAGAAGGACAGCTT
GAGCCGATACGACAGTGATGGGGACAAGAGTGATGATCTGGTGGTGGATGTTTCCAATGA
GGACCCCGCAACGCCCCGGGTCAGCCCGGCACACTCCCCTCCTGAAAATGGGCTGGACAA
GGCCCGTAGCCTGAAAAAAGATGCCCCCACCAGCCCTGCCTCGGTGGCCTCTTCCAGTAG
CACACCTTCCTCCAAGACCAAAGACCTTGGTCATAACGACAAATCCTCCACCCCTGGGCT
CAAGTCCAACACACCAACCCCAAGGAACGACGCCCCAACTCCAGGCACCAGCACGACCCC
AGGGCTCAGGTCGATGCCGGGTAAACCTCCGGGCATGGACCCGATAGGTATAATGGCCTC
GGCTCTGCGCACGCCCATCTCCATCACCAGCTCCTATGCGGCGCCCTTCGCCATGATGAG
CCACCATGAGATGAACGGCTCCCTCACCAGTCCTGGCGCCTACGCCGGCCTCCACAACAT
CCCACCCCAGATGAGCGCCGCCGCCGCTGCTGCAGCCGCTACCTATGGCCGATCGCCAAT
GGTTGGTTTTGACCCTCACCCCCCGATGCGGGCCACAGGCCTCCCCTCAAGCCTGGCCTC
CATTCCTGGAGGAAAACCAGCGTACTCATTCCATGTGAGTGCTGATGGGCAGATGCAGCC
CGTGCCCTTCCCCCACGACGCCCTGGCAGGCCCCGGCATCCCGAGGCACGCCCGGCAGAT
CAACACACTCAGCCACGGGGAGGTGGTGTGTGCCGTGACCATCAGCAACCCCACGAGGCA
CGTCTACACAGGTGGCAAGGGCTGCGTGAAGATCTGGGACATCAGCCAGCCAGGCAGCAA
GAGCCCCATCTCCCAGCTGGACTGCCTGAACAGGGACAATTACATCCGCTCCTGCAAGCT
GCTCCCTGATGGGCGCACGCTCATCGTGGGCGGCGAGGCCAGCACGCTCACCATCTGGGA
CCTGGCCTCACCCACGCCCCGCATCAAGGCCGAGCTGACGTCCTCGGCTCCCGCCTGTTA
TGCCCTGGCCATTAGCCCTGACGCCAAAGTCTGCTTCTCCTGCTGCAGCGATGGGAACAT
TGCTGTCTGGGACCTGCACAACCAGACCCTGGTCAGGCAGTTCCAGGGCCACACAGATGG
GGCCAGCTGCATAGACATCTCCCATGATGGCACCAAACTGTGGACAGGGGGCCTGGACAA
CACAGTGCGCTCCTGGGACCTGCGGGAGGGCCGACAGCTACAGCAGCATGACTTCACTTC
CCAGATCTTCTCGCTGGGCTACTGCCCCACTGGGGAGTGGCTGGCTGTGGGCATGGAGAG
CAGCAACGTGGAGGTGCTGCACCACACCAAGCCTGACAAGTACCAGCTGCACCTGCACGA
GAGCTGCGTGCTCTCCCTCAAGTTCGCCTACTGCGGCAAGTGGTTCGTGAGCACTGGGAA
AGATAACCTTCTCAACGCCTGGAGGACGCCTTATGGAGCCAGCATATTCCAGTCTAAAGA
ATCCTCGTCTGTCTTGAGTTGTGACATTTCAGCGGATGACAAATACATTGTAACAGGCTC
TGGTGACAAGAAGGCCACAGTTTATGAGGTCATCTACTAAACAAGAACTCCAGCAGGGCT
GTCAAACTCTGGGAGAAACCGACTCGGCTCTGACAGGGAGACCCCCAGGCGAGGGGCCCC
GAGGATGGCGGAGGATGGGCCGCAGGCAGCCGAGCGTTCAGGGCTGCGCTCCGGCCGGCT
GAGAGGGCACGTGCCCCGTCACAGTCTGGACTCCTGGGCCTGGATTGATGTGTCTCACAG
ACTCGGAAGGGTTCTGCTCCTCCTCCTCCCCCTGAACAATGCTGGCAGTTGCTACAAATA
GATTTATTGGAGGCTTATGGCTCCGGTTCCCCCACAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for BC041831 unedited
GAGTGCAGGTCAGGATTTTGTAATACGACTCACTATAGGCGGCCGCATAACTTCGTATAG
CATACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGC
GGAATTCCGCGCGAGTGGCGCGGGGGGCTGCTTGTGTTCCAGGGGGAGCTGTTCACGCGG
TCCCCGGCCCCGCTCTGAAGTCTCCCAACTCACCCGGCTTGTCTCCCGCCCCCGCCTTAC
TGGGGAGAGGGAGGCCCTTGGTGAAAGGCATGGGAGCCCCGCTGCCGACGGGGAGAGATG
GGGCGCCCCCCCTCCGCCCCGTCGGAGAGCTGAGAAACTTGCTGGGAAGGTTCTGGGCTG
AGGGTGGCCTCTTTTGGTTGGGCCCGTTGGGGGAGATTATAATAAAAAGAGGAATAGAAC
TGAGCCGGGGAGATGTGGACCCACAGTGTACAGTTAAAGAGAAGTATATCCACGTTGGCC
AGGTTTGTGGGGTTGTTGAGCGTGGGAGACGGCACGGGCCCACCCGTTGTGTTTCGCTAC
TTCGAACAGCCGACCACCGTGTGTCCGGTTGGCTCCCTATTTGCTTGAGTTTAGCCTCCT
ATTTCCATTTGACCGGCACCCTTATCATTGTGATGGGTAGTGCCGCGGTGAACCCAATAC
AACCAATGGGTTGTCAACAGTTTAGAAATGCGGAACGATTTGCCCTAAAACCCAACAAAC
CATCTCAAAGAGCATTTGAGCCATGTAATGAAATAGTAGGAGGTGCAGGGTCAGTTATAC
GAAGGGGCGACAAGATGATACACGCCCGAGTCTACCGACGTCACCACCCGGTAGCCACTC
GGCGCTGTGTTGTTTATAGGGTGGATTAGCGCGCAAAAGCAGACTAATGT
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Restriction Sites: NotI-NotI

ACCN: BC041831

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: BC041831.1, AAH41831.1

RefSeq Size: 2931 bp

Locus ID: 7090

Cytogenetics:	15q23
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]