

Product datasheet for **RC227706**

TLE6 (NM_001143986) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE6 (NM_001143986) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TLE6
Synonyms:	GRG6; PREMBL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227706 representing NM_001143986
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCTCTAGGGACCAGCCAGACCCAAGGGCCCCCGAAAAGCACTTCGCCTTGTCTGGGATCTCGA
 ACTCTGAGAGCTCTCCGACGCTGAATTATCAGGGCATTCTAAATCGGCTCAAGCAGTTCGCCAGGTTTTTC
 TCCTCATTTTGTGCGGAGTTGGAGAGCATTACTACTCGCTGCACAAGATCCAGCAGGATGTGGCAGAA
 CATCACAAGCAGATAGGAAACGTCTTACAGATTGTGGAGAGCTGCAGCCAACCTCCAGGGTTTCCAGTCTG
 AGGAGGTCTCACCTGCTGAACCAGCCAGCCCTGGGACGCCCCAGCAGGTGAAGGACAAGACCCTGCAGGA
 GTCGAGCTTTGAGGACATCATGGCCACCAGGTCTCCGACTGGCTCCGGCGGCCTTTGGGGGAGGACAAT
 CAGCCGGAGACCCAGCTGTTCTGGGACAAGGAGCCTTGGTTTTGGCAGCAGCTCTGACCGAGCAACTCT
 GCGGATTTTTGCCGGCTCCACGATGAGAAGGCAAAGCCAGAGACAGACAGCAGGCACCAGGCCTGGG
 GCAGGAAAGCAAGCACCAGGATCCTGTGACCCAGGAACAGCCCATGTCTGAAGATGCCTCCACCCCC
 AGGCCACCTGAGGCCTCCTCCAGTCCCCCTGAGGGTCCCAAGACAGGAACACAAGTTGGGGTGTGGTCC
 AGGAGCCTCCTGGAAGAGCCTCTCGTTTTACAGTCCATATCCTGGGACCTGAGGACTTTGAAGATGC
 ATGGAAGAGGCCAGATGCCTTGCCCGGGCAGTCAAAGAGACTCGCCGTCCCGTGCAAACCTGGAAAAGATG
 CGGATCTTGGCACACGGGGAGCTCGTGTCTGCCACGGCCATCAGCAGCTTACGCGGCACGTGTTACCT
 GTGGCAGAAGAGGCATCAAGGTGTGGAGCCTGACTGGACAGGTGGCTGAGGACAGGTTCCCTGAGAGCCA
 CCTGCCTATACAGACCCCTGGGGCCTTCTGCGCACCTGCCTGCTGTCTCAAACAGCAGGAGCCTGCTC
 ACCGGTGGCTACAACCTGGCCAGCGTGACGCTGTGGGACCTGGCGGCCTCCCTGCATGTGAAGGAGC
 AGTTGCCCTGTGACGCTCAACTGCCAGGCCCTGGATGCCAACCTGGATGCCAACCTGCCTTCCGACG
 CTTACCAGTGGTGTGGTCAGGATCTGGGACCTGCGGGATCAGAGTGTGGTCAGGGACCTCAAGGGTTAT
 CCTGATGGAGTCAAGAGTATCGTGGTCAAGGGCTACAACATCTGGACTGGGGTCCGGATGCCTGTCTGC
 GGTGCTGGGACCAGAGGACCATCATGAAACCTCTGGAGTACCAATTCAAGTCTCAGATAATGAGCCTGTC
 CCACAGCCCCCAGGAGGACTGGGTGCTGCTGGGCATGGCCATGGCCAGCAGTGGCTGCAAAGCACCAGC
 GGGAGCCAGCGGCACATGGTGGGGCAAAAAGACAGCGTCATCCTGAGCGTCAAGTTCTCCCCCTTTGGCC
 AGTGGTGGCAAGCGTTGGAATGGACGACTTCTTGGCGTCTACAGCATGCCGGCGGGGACAAAAGTGT
 CGAGGTGCCTGAGATGTCTCCAGTACGTGCTGTGACGCTCTTCCAACAACCGCCTCGTTGTCACAGGC
 TCCGGGGAGCACGCTCCGTGTACCAGATCACCTAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

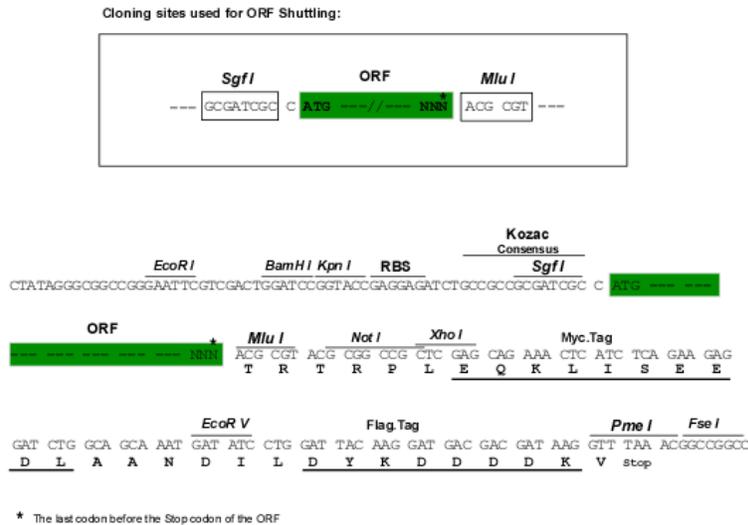
>RC227706 representing NM_001143986
 Red=Cloning site Green=Tags(s)

MTSRDQPRPKGPPKSTSPCPGISNSESSPTLNYQGILNRLKQFPRFSPHFAAELESIYYSLHKIQQDVAE
 HHKQIGNVLQIVESCSQLQGFQSEEVSPAEPASPGTPQQVKDKTLQESSFEDIMATRSDWLRPLGEDN
 QPETQLFWDKEPWFHDTL TEQLWRIFAGVHDEKAKPRDRQQAPGLGQESKAPGSCDPGTDPCPEDASTP
 RPPEASSPPEGSQDRNTSWGVVQEPGRASRFLQSI SWDPEDFEDAWKRPDALPGQSKRLAVPCKLEKM
 RILAHGELVLATAISSFTRHVFTCGRRGIKVWSLTGQVAEDRFPESHLP IQTPGAFLRTCLLSSNSRLL
 TGGYNLASVSVWDLAAPSLHVKEQLPCAGLNCQALDANLDANLAFASFTSGVVRIWDLRDQSVVRDLKGY
 PDGVKSI VVKGYNIWTGGPDA CLRWDQRTIMKPLEYQFKSQIMSLSHSPQEDWVLLGMANGQQWLQSTS
 GSQRHMGQKDSVILSVKFS PFQWASVGMDDFLGVYSMPAGTKVFEVPEMSPVTCDDVSSNNRLVVTG
 SGEHASVYQITY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_001143986

ORF Size: 1716 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

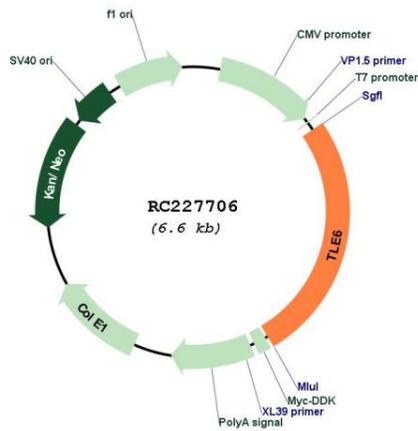
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001143986.2](#)
RefSeq Size: 2033 bp
RefSeq ORF: 1719 bp
Locus ID: 79816
UniProt ID: [Q9H808](#)
Cytogenetics: 19p13.3
Protein Families: Transcription Factors
MW: 63.5 kDa

Gene Summary: This gene encodes a member of the Groucho/ transducin-like Enhancer of split family of transcriptional co-repressors. The encoded protein is a component of the mammalian subcortical maternal complex, which is required for preimplantation development. In mouse, knock out of this gene results in cleavage-stage embryonic arrest resulting from defective cytoplasmic F-actin meshwork formation and asymmetric cell division. In human, an allelic variant in this gene is associated with preimplantation embryonic lethality. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RC227706