

Product datasheet for **MC228807**

Tle2 (NM_001252401) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle2 (NM_001252401) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tle2
Synonyms:	Grg2; mKIAA4188
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228807 representing NM_001252401
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACCCTCAGGAAGGCACCCGACCCGCTGCAGTCTGGCAGCCTTTCAAGTTCTCAGTACTGGAAA
 TCTGTGACCGGATCAAAGAGGAATTCAGTTTCTCAAGCTCAGTACCACAGCCTCAAGCTAGAATGTGA
 GAAGCTGGCCAGCGAGAAGACAGAAATGCAAAGGCATTATGTGATGTACTACGAGATGTCCTACGGACTC
 AACATTGAGATGCATAAACAGGCTGAGATTGTGAAACGCCTCAGTGCGATCTGTGCCAGATGGTCCCGT
 TCCTCACTCAGGAGCATCAGCAGCAGGTGCTCCAGGCTGTGGACCGAGCCAAGCAGCAGCAGAATCAGCT
 CCAGCCGCTGTCCACGCACCCCGTGCCTCTCACCCCGCGCCAGCCGGCCTGGTGGGTGCCGGGGCC
 ACTGGGCTGTGGCCCTATCTGGGGCACTGGTGCAGGCCCAGCTGGTGGTGCCTAAAGGAAGACC
 GTGTGGGTGTGGACGCCAGGGGTCCAGAGTGGACAGAGCTGCCAGCAGGAGTTCTTCCCGTCTCCCC
 TGAGAGTCTGGTGAAGAGGACCATCCAGCAGCCGAGGGCGCAGTGGGAAACAGCAGAGAGCTGAAGAC
 AAGGATCTGTGAGGGCCTTATGACAGTGAGGAAGACAAGAGTGACTATAACCTGGTAGTGGATGAGGACC
 AACCGTCAGAGCCCCAGCCCTGTGACCACCCCTTGTGGGAAGGCGCCCTCTGCATTCCTGCCCGCAG
 GGACCTCACAGACAGTCCAGCCTCCTTGGCCTCCAGTTTGGGCTCACCACTCCCCAGAAGCAAAGACATA
 GCCCTGAACGATCTCCACAGGCACTCCTGCCTCCAGGTCATGTGGTACCTCTCCACCCAGGACTCGT
 CCACCCCGGGGCCAGCTCAGCCAGTCACTCTGCCAGCTGGCGGCTCAGCCGGCAGCACCCACAGACAG
 CATCGCCTGAGGAGTCCCCTGACCTTGTCCAGCCCTTACCTCATCTTCCAGCTGGGCTCCCACAGC
 ACCCTCAATGGGACCTCTCCATGCCTGGCTCCTATGTCGGCTCCACCTGTCCCCCAGGTCAGCAGCT
 CTGTCTGTATGGACGCTCACCTCTGATGGCATTGAATCGCACCCCATCTCCGAGGCTCGTCTGTCTC
 CTTGCCTGGCATCCCTGTGGCTAAGCCGGCTTACTCCTTCCACGTGTCTGCGGATGGCCAGATGCAGCCT
 GTGCCCTTCCCGTCTGATGCTCTGGTAGGCACAGGCATCCCTCGCCACGCAAGGCAGCTACACACGCTGG
 CCCACGGTGAGGTGGTGTGTGCCGTACCATCAGCAGTCCACACAGCACGTGTACACAGGCGGCAAAGG
 ATGCGTGAAGGTGTGGGACGTGGGCCAGCCGGGTAGCAAGACCCCTGTGGCACAGCTGGATTGCCTGAAC
 CGAGACAACACTACATCCGCTCCTGCAAGCTGCTGCCCGACGGGCAGAGCCTGATTGTAGGTGGCGAGGCCA
 GTACCCTGTCCATTTGGGACCTGGCAGCACCCACACCAGGATCAAAGCAGAGCTGACTTCGTCTGCCCC
 GGCCTGTATGCTCTGGCCGTAGTCCGGACGCCAAGGTCTGCTTCTCCTGCTGCAGCGACGGTAACATC
 GTGGTCTGGGACCTGCAGAACAGGCCATGGTCCAGACAGTCCAGGGCCACAGGACGGGGCCAGCTGCA
 TCGACATATCAGACTACGGGACCCGGCTGTGGACTGGGGCCCTGGACAACACTGTGCGCTGCTGGGACCT
 GCGCGAGGGCCCGCAGCTTCAGCAGCATGACTTCAGTTCCAGATTTTCTCATTGGGCCACTGTCCCAAT
 CAGGACTGGTTGGCTGTGGGGATGGAGAGCAGCCACGTGGAGGTCCTGCATGTGCGCAAGCCTGAGAAGT
 ACCAGCTCCGCTCCATGAGAGCTGCGTGTCTCACTCAAGTTCGCTTCTGTGGACGCTGGTTTGTGAG
 CACAGGCAAGGACAACCTGCTCAATGCCTGGAGGACACCCATGGGGCCAGCATTTTTCAGTCCAAAGAA
 TCATCTTCTGACTGAGCTGCGACATCTCCAGGAATAATAAGTACATCGTGACAGGCTCAGGGGACAAGA
 AGGCCACTGTGTATGAGGTGGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001252401
Insert Size: 2199 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001252401.1</u> , <u>NP_001239330.1</u>
RefSeq Size:	2721 bp
RefSeq ORF:	2199 bp
Locus ID:	21886
Cytogenetics:	10 C1
Gene Summary:	<p>Transcriptional corepressor that binds to a number of transcription factors. Inhibits the transcriptional activation mediated by CTNNB1 and TCF family members in Wnt signaling. The effects of full-length TLE family members may be modulated by association with dominant-negative AES (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses different splice sites in two locations in the coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.</p>