

Product datasheet for **MC228705**

Tle1 (NM_001285530) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle1 (NM_001285530) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tle1
Synonyms:	C230057C06Rik; Estm14; Grg-1; Grg1; Tle4l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228705 representing NM_001285530
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCCGCAGAGCCGGCACCCAACGCCGACCAAGCTGCAGGCCAGCCCTTTAAGTTCACTATCCCGG
 AGTCTCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCGCAGTATCACAGTCTTAAATTGGAGTG
 TGAGAACTGGCAAGTGAAGACAGAAATGCAGAGGCACTACGTGATGTATTATGAAATGCATATGGA
 TTAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAACACCATTGTGCCAAAGTCATCC
 CATTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTGGAACGTGCCAAACAGGTGACCATGGC
 AGAGTTGAATGCCATCATCGGGAGTAATTCCTCTTGGTCCCAGACAGCCTAAGAGGCACAGATAAGCGC
 AGAAATGGTCCAGAGTTTCCAGTGACATCAAAAAAGGAAGGTGGATGATAAGGATAACTATGACAGTG
 ATGGGGACAAGAGTGATGACAACTTAGTTGTGGATGTGTCTAACGAGGACCCCTTCTCCACATGCAAG
 CCCACACACTCACCCCGGAAAACGGAATTGACAAAAACCGTCTGCTGAAGAAAGATGCTTCAGGTAGC
 CCGGCATCCACAGCCTCCTCTGGAAGTTCTCTCCCTGAAATCCAAAGAAGTGAGCCTGCATGAAAAAG
 CCAACTCTCTGTTCTGAAATCCAGCACACCGACGCTCGGAGCGACATGCCAACCCAGGCACCCAGCGC
 TACTCCAGGCCTCCGTCCAGGTCTTGGCAAGCCTCCAGCCATGGAACCCCTTGTCAACCAAGCAGCAGCT
 GGCTGAGGACGCCCTGGCGGTGCCTGGCCCATACCCTGCCCTTTGGCATGGTGCCCATGCGGGCA
 TGAACGGAGAGCTGACCAGCCCTGGTGTGCCTATGCAGGTCTACACAGCATGTCTCCACAGATGAGCGC
 TGCAGCTGCTGCAGCTGCTGCTGTGGTGGCCTATGGGCGTCCCAATGGTTGGTTTTGATCCTCCT
 CCTCACATGAGAGTACCTTCTATCCCCCAACCTGGCAGGAATACCTGGAGGAAACCAGCATACTCCT
 TCCACGTTACTGCTGATGGCCAAATGCAGCCTGTTCTTTTCCCCTGATGCCCTATTGGACCTGGGAT
 TCCCGACATGCTCGGCAGATCAACACCCTCAACCACGGGAGGTGGTGTGTGCAGTGACCATCAGCAAC
 CCCACAAGGCACGTGTACACAGGTGGCAAGGGCTGCGTTAAGGTGTGGGACATCAGCCACCCGGCAACA
 AGAGCCCCGTCTCTCAGCTGGATTGTCTGAATAGAGATAACTACATCCGTTCTGTAAATTGCTACCTGA
 TGGCTGTACTCTCATAGTGGGAGGGGAAGCCAGTACTCTATCCATCTGGGACTTGGCAGCTCCAACCTCC
 CGCATAAAGGCAGAGCTGACATCCTCAGCCCCTGCCTGTTATGCTCTGGCCATCAGCCCCGACTCCAAGG
 TCTGCTTCTCATGCTGCAGTGACGGCAACATCGCAGTGTGGACCTGCACAACCAGACCCTGGTGGGCA
 ATCCAGGGCCACACAGACGGAGCCAGCTGTATTGACATTTCTAATGATGCCACCAAGCTCTGGACAGGC
 GGTTTAGACAACACTGTGAGGTCTGGGACCTGAGAGAAGGGAGGCAGCTGCAGCAGCATGACTTCACTT
 CACAGATCTTCTTTGGGATATTGCCAACTGGGGAGTGGCTTCTGTGGGCATGGAAAGCAGCAACGT
 GGAAGTTCTGCATGTGAACAAGCCTGACAAGTACCAGCTGCACCTCCACGAGAGCTGCGTGTGTCCCTA
 AAGTTTGCTTATTGTGGCAAATGGTTTGTGAGTACTGGAAAAGACAACCTCCTAAATGCCTGGCGGACAC
 CATATGGAGCCAGCATCTCCAGTCCAAAGAATCTTCATCAGTGCTTAGCTGTGACATCTCTGTGGATGA
 TAAATACATAGTCACTGGCTCAGGGGACAAAAAGGCTACCGTTTATGAGGTCACTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001285530

Insert Size: 2091 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_001285530.1</u> , <u>NP_001272459.1</u>
RefSeq Size:	11328 bp
RefSeq ORF:	2091 bp
Locus ID:	21885
UniProt ID:	<u>Q62440</u>
Cytogenetics:	4 C2
Gene Summary:	<p>Transcriptional corepressor that binds to a number of transcription factors. Inhibits NF-kappa-B-regulated gene expression. Inhibits the transcriptional activation mediated by FOXA2, and 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. Unusual function as coactivator for ESRRG (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks two alternate exons that result in the loss of an in-frame segment in the 5' coding region, compared to variant 1. The encoded isoform (c, also known as Grg1-LDGP) is shorter than 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.</p>