

Product datasheet for **MG223076**

Tle3 (NM_001083928) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle3 (NM_001083928) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tle3
Synonyms:	2610103N05Rik; ESG; Grg3a; Grg3b; mKIAA1547
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223076 representing NM_001083928
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATCCGCAAGGCAGACATCCGGCACCCATCAACCCGGGCAGCCGGGATTTAAATTCACTGTGGCCG
 AGTCCTGTGACAGGATCAAAGACGAATTCAGTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTA
 TGACAAGCTGGCTAACGAGAAGACGGAGATGCAGCGCCATTATGTGATGTACTATGAGATGCCTATGGC
 TTGAATATTGAAATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATCCTAGCCCAGATCATGC
 CTTTTTTGTACAGGAGCATCAGCAGCAAGTGGCGCAGGCTGTGGAACGCGCCAAGCAGGTCACCATGAC
 GGAGTTGAACGCCATCATCGGGCAGCAGCAACTCCAGGCCAGCACCTCTCCCATGCCACGCATGGTCCC
 CCGGTCCAGCTGCCACCCACCCGTCAGGCCTCCAGCCTCCTGGGATCCCCAGTGACAGGAAGCAGCT
 CTGGGTTGCTGGCACTTGGTGCCTGGGAAGTCAAGCTCACTTGGCGGTGAAGGATGAGAAGAACCACCA
 TGAAGTGGATCACAGAGAGAGAGAGTCCAGCACGAACAATCCGTGTACCCTCTGAAAGCCTCCGGGCC
 AGTGAGAAGCACCGGGCTCTGCAGACTACAGCATGGAAGCCAAGAAGCGGAAGCGGAAGAAAGACA
 GCCTCAGCAGATACGATAGCGATGGGGACAAGAGTGACGACCTGGTGGTGGATGTCTCTAATGAGGACCC
 AGCAACACCCCGGGTGGAGCCAGCACACTCCCCTCCTGAAAATGGGCTGGACAAAGCCCGTGGTCTGAAG
 AAAGATGCCCCACCAGCCAGCCTCCGTGGCTTCCAGCAGCACACCTTCTCCAAGACCAAAGACC
 TTGGTCATAATGACAAATCTTCCACACCTGGGCTCAAGTCCAACACACCAACGCCAAGAAATGATGCCCC
 AACTCCAGGCACCAGCACCCCGGGCTCCGGTCAATGCCGGGCAAACCTCCAGGCATGGACCCGATA
 GCCTCGGCCCTGCGAACCCCATCACCTCACCAGCTCCTATCCAGCACCTTTGCCATGATGAGCCACC
 ACGAGATGAATGGCTCCCTCACCAGCCCAAGCGCCTATGCTGGCCTACACAACATCCCATCCAGATGAG
 CGCCGCCGAGCCGCTGCAGCCGCGCCTATGGCCGATCGCCAATGGTTGGTTTTGACCCTCACCCCCA
 ATGAGGGCCACAGGCTGCCTTCCAGTCTCGCCTCCATTCTGGAGGAAACCGGCATACTCCTTCCATG
 TGAGTGTGATGGGCAGATGCAACCTGTGCCCTTCCCCATGATGCACTAGCAGGCCCTGGCATTCCCAG
 GCATGCCCGGCAGATCAATACGCTCAGCCATGGAGAGGTGGTATGTGCTGTGACCATCAGCAACCCACA
 CGACACGTCTACACAGGCGGCAAGGGCTGTGTGAAGATATGGGACATCAGCCAGCCGGGCAGCAAGAGTC
 CCATCTCCAGCTGGACTGCCTGAACAGGGACAACACTACATCCGCTCGTGAAGCTTCTCCCCGATGGGCG
 CACGCTCATTGTGGTGGTGGAGCCAGCAGCTCACCATCTGGGACCTGGCCTCACCCACACCCCGCATC
 AAGGCTGAGCTGACGTCCTCGGCTCCAGCTGTTATGCCCTGGCCATCAGTCCTGATGCCAAAGTCTGTT
 TTTCTGCTGCAGCGACGGGAACATTGCCGTTTGGGATCTGCACAACCAGACCCTGGTCAGGCAGTTCCA
 GGGCCACACAGATGGGGCCAGCTGTATAGACATCTCTCATGATGGCACTAAGCTGTGGACCGGGGGCCTG
 GACAACACCGTGCCTCCTGGGACCTACGTGAAGGACGGCAGTTACAGCAACACGATTTACCTCCCAGA
 TCTTCTCCCTGGGTTACTGCCCACTGGGGAGTGGCTGGCCGTGGGCATGGAGAGCAGCAATGTGGAGGT
 CCTGCACCACACTAAGCCCGACAATACCAGCTGCACCTGCACGAGAGCTGCGTGTGTCCCTCAAGTTC
 GCCTATTGTGGCAAGTGGTTTGTGAGCACTGGGAAAGACAACCTTCTCAATGCCTGGAGGACGCCTATG
 GAGCCAGCATCTCCAGTCAAAGAATCCTCATCTGTCTTGAGCTGTGACATTTACGCGGATGACAAATA
 TATTGTAACAGGCTCTGGTGACAAGAAGGCCACAGTTTACGAGGTCATCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG223076 representing NM_001083928
 Red=Cloning site Green=Tags(s)

MYPQGRHPAPHQPGQPGFKFTVAESCDRIKDEFQFLQAQYHSLKVEYDKLANEKTEMQRHYVMYEMSYG
 LNIEMHKQTEIAKRLNTILAQIMPFLSQEHQQQVAQAVERAKQVTMTELNAIIGQQQLQAQHLSHATHGP
 PVQLPPHPSGLQPPGIPPVTGSSSGLLALGALGSQAHLAVKDEKNHHELDHRERESSTNNSVSPSESLRA
 SEKHRGSADYSMEAKKRKAEEKDSLRYDSDGDKSDDL VVDVSNEDPATPRVSPAHSPPENGLDKARGLK
 KDAPTPASVASSSTPSSKTKDLGHNDKSSTPGLKSNTPTRNDAPTPGTSTTPGLRSMPGKPPGMDPI
 ASALRTPITLTSSYPAPFAMMSHHMNGSLTSPSAYAGLHNIPSQMSAAAAAAAAAYGRSPMVGFDPHPP
 MRATGLPSSLASIPGGKPAYSFHVSADGQMOPVPHDALAGPGIPRHARQINTLSHGEVCAVTISNPT
 RHVYTGKGCVKIWDISQPGSKSPISQLDCLNRDNYIRSKLLPDGRTLIVGGEASTLTIWDLASPTPRI
 KAELTSSAPACYALAI SPDAKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDI SHDGTKLWTGGL
 DNTVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLA VGMESSNVEVLHHTKPKDYQLHLHESC VLSLKF
 AYCCKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISADDKYIVTGSGDKKATVVEVIY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001083928

ORF Size: 2292 bp

OTI Disclaimer: 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_001083928.1](#), [NP_001077397.1](#)

RefSeq Size: 5148 bp

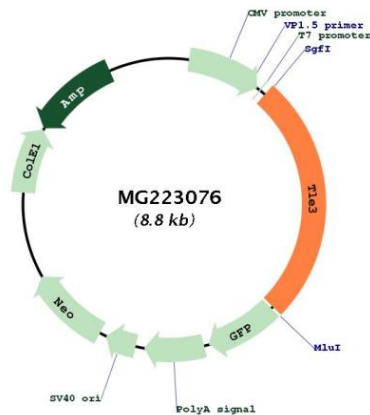
RefSeq ORF: 2295 bp

Locus ID: 21887

Cytogenetics: 9 B

Gene Summary: 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). May play an important role during spermatogenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG223076