

Product datasheet for **MG217929**

Tle5 (NM_010347) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tle5 (NM_010347) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tle5
Synonyms: A; Aes; AL024115; Esp1; Gr; Grg; Grg-5; Grg5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217929 representing NM_010347
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGTTTCCGCAAAGCCGGCACTCGGGCTCCTCCACCTCCCTCAGCAGCTCAAGTTCACCACCTCCG
 ACTCCTGTGACCGCATCAAAGATGAGTTCAGCTGCTGCAAGCGCAGTATCACAGCCTGAAGCTGGAGTG
 CGACAAGCTGGCCAGCGAGAAGTCAGAGATGCAGAGGCATTACGTCATGTACTATGAGATGTCCTACGGA
 TTGAACATCGAGATGCACAAACAGGCGGAAATTGTGAAGAGGCTGAATGGGATTTGCGCCAGGTTCTGC
 CCTATTTGTACAGGAGCATCAGCAGCAGTCCCTGGGAGCCATCGAGAGAGCCAAGCAGGTCACGGCTCC
 TGAGCTGAACTCCATCATCCGACAGCAGCTCCAGGCTCACCAGCTGTCCCAGCTGCAGGCGCTGGCCCTG
 CCCTGACACCGCTGCCTGTCGGGCTCCAGCCACCGTCCCTCCCTGCAGTCAGTGCAGGCACAGGCTGC
 TGTCACCTCTGCTCTGGGTTCTCAGACCCACCTCTCAAAGGAGGACAAGAACGGACACGATGGGGACAC
 CCACCAGGAGGATGACGGAGAGAAGTCGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217929 representing NM_010347
 Red=Cloning site Green=Tags(s)

MMFPQSRHSGSSHLPPQLKFTTSDSCDRIKDEFQLLQAQYHSLKLECDKLASEKSEMQRHYVMMYEMSYG
 LNIEMHKQAEIVKRLNGICAQVLPYLSQEHQQQVLGAIERAKQVTAPELNSIIRQQLQAHQLSQLQALAL
 PLTPLVGLQPPSLPAVSAGTGLLSLSALGSQTHLSKEDKNGHDGDTHQEDDGEKSD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_010347

ORF Size: 591 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_010347.4](#), [NP_034477.1](#)

RefSeq Size: 1347 bp

RefSeq ORF: 594 bp

Locus ID: 14797

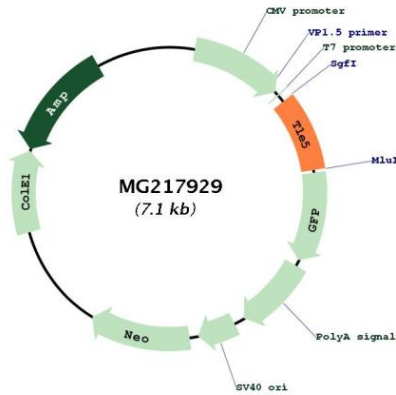
UniProt ID: [P63002](#)

Cytogenetics: 10 39.72 cM

Gene Summary:

This gene encodes a protein that belongs to the Aes (amino-terminal enhancer of split) subgroup of the Groucho/transducin-like Enhancer of split (TLE) family of proteins that function as transcriptional corepressors. The encoded protein plays a role in neurological development and cell-fate determination. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2013]

Product images:



Circular map for MG217929