

## Product datasheet for **MG208164**

### **Tle6 (BC048832) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tle6 (BC048832) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tle6
Synonyms:	Grg6, 1810057E06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208164 representing BC048832  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTATTGGTGTGGGGCTGAAGGGGACAGTTGGCCATGTCATGTGTCTCATGAGCCCCAATGGGCT  
 CTGCCCAGACCACAGAGAACTCAGCTAAGGAAGAAGACAAACAGGTCACAGAGTCTGCAGCCCTCCAGCA  
 CCCCAAGTTCAAAGCACCCCGGGGCTCAGCTGCCACACAGACGTCGGTTCCTCTCAGAGAGTGATGAG  
 CTCAGGACCCACAGCCGGTCTGGGACGCGGAGCCCCAGTTCTGTCAAGGCTTCTGATCCAGGGACTCT  
 GGGAACTTTTCATGGACAGCCGCAAAAGAACCAACAGGAACACGGGGGTGAGGATTCCTCACAGGAAAG  
 CAAAGATTCAGGCCTGTGTGACTTTAAACCAGAACCTCAGCCCAGGCACAGAAACAGCCTGAGTGACTCT  
 GCCGACCCCTTCTGATCAAGTCTCCCTCAGCTTTCTAGATTATTACCAAGAAGACGTCAGTCGGCCCC  
 AACCTGAGACGCAGGAATCTTCTGGAAGAGCTGATAAATTTCTGAAGCCCTTGCCTGGGCTCTGAAGT  
 CTTAGAGAGCAGCTGTAATCAGCCTAGCACAGCACTCTGGCAATTAGAGAGGTTCACTGTCCCCAAGCA  
 CTGCAGAAAGTGGTGTGCTGAAGCACCAGGAAGTCTATTGGTGGTAGCTGTGAGCTCCTTACCGCGGC  
 ACGTCTTACCTGCAGCCAGAGCGGCATCAAGGTGTGGAACCTCGTGAACCAGGTGGCCGAGGACAGAGA  
 CCCAGAAAGCCACTTGAATGCAGCGTCCAGGACAACAAGGTGTACCTGCGCACCTGCCTGCTGTCTCC  
 AACAGCAGGACCTGTTCCGGGTGGATACAACCTACCTGGCGTGATCGTGTGGGACCTGGCAGCCCCAT  
 CCCTGTATGAGAAGTGCCAGCTGCCCTGCGAGGGCCTGTCTGCCAGGCACTGGCCAACACAAAGGAAAA  
 CATGGCCCTTGGCGGCTTACAGATGGCAGGTCAGGATATGGGACCTACGGACTCAGGAAATAGTCAGG  
 AACCTCAAAGGCCCTACCAATTCGGCCAGGAACCTTGTGGTCAAAGATGACAACATCTGGACAGGGGGTC  
 TGGACGCCTGCCTGCGATGCTGGGACCTGCGGATGGCCAAGGTGCTCACTGGAGCATCTGTTCCAGTCCCA  
 GATCATGAGCCTGGCTCACAGTCCGACCGAAGACTGGCTGCTGCTGGCCATGGCCAATGGCCAGCACTGC  
 CTGTTCAACAGCAGGAAGAGGGACCAGGTGCTCACTGTGGACACCAAGGACAACACCATCTTAGGCCTCA  
 AGTTCTCCCCAAATGGCAAGTGGTGGGCGAGCGTGGTATGGGCAACTTCATCACGGTCCACAGCATGCC  
 CACCGGAGCAAACTGTTCCAGGTCGCCGAGGTTGGCCCTGTCAGATGCTTCGACATGACTGAGAACGGC  
 AGGCTCATCATCACAGGATCCAGGGACTGTGCCTCGGTGTACCACATCAAGTAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208164 representing BC048832  
 Red=Cloning site Green=Tags(s)

MSIGVGAEGDSWPCHVSHEAPMGSQAQTTESSAKEEDKQVPESAALQHPKFKSTPGPQLPTRRRFLSESD  
 LQDPQPVWDAEPQFCQGFLLIQGLWELFMDSRQKNQEHGGEDSSQESKDSGLCDFKPEPQPRHRNSLSDS  
 ADPFLIKSPSALLDYYQEDVSRQPETQESSGRADKFLKPLSWGSEVLESSCNQPSTALWQLERFTVPQA  
 LQKVRVLKHQELLLVVAVSSFTRHVFTCSQSGIKVWNLVNQVAEDRDPESHKCSVQDNKVYLRTCLLSS  
 NSRTLFAAGYNLPGVIWDLAAPSLEYKCQLPCEGLSCQALANTKENMALAGFTDGTVRIWDLRTQEI  
 VRNLKGPTNSARNLVVKDDNIWTGGLDAELRCWDLRMAKVSLEHLFQSQIMSLAHSPTEDWLLGLANGQHC  
 LFNSRKRQVLTVDTKDNTILGLKFSNGKWWASVGMGNFITVHSMPTGAKLFQVPEVGPVRCFDMTENG  
 RLIIITGSRDCASVYHIKY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC048832

**ORF Size:** 1526 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:** [BC048832](#), [AAH48832](#)

**RefSeq Size:** 1897 bp

**RefSeq ORF:** 1526 bp

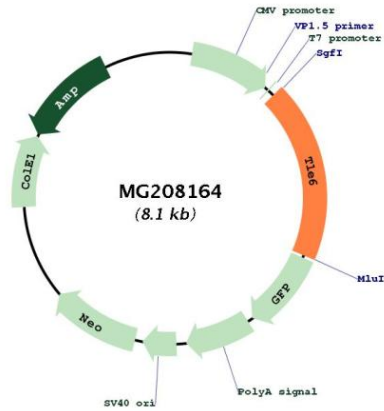
**Locus ID:** 114606

**Cytogenetics:** 10 C1

**Gene Summary:**

As a member of the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG208164