

Product datasheet for **MR208164**

Tle6 (BC048832) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle6 (BC048832) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tle6
Synonyms:	Grg6, 1810057E06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208164 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTATTGGTGTGGGGCTGAAGGGGACAGTTGGCCATGTCATGTGTCTCATGAGCCCAATGGGCT
 CTGCCCAGACCACAGAGAACTCAGCTAAGGAAGAAGACAAACAGGTCACAGAGTCTGCAGCCCTCCAGCA
 CCCCAAGTTCAAAGCACCCCGGGGCTCAGCTGCCACACAGACGTCGGTTCCTCTCAGAGAGTGATGAG
 CTCAGGACCCACAGCCGGTCTGGGACGCGGAGCCCAAGTTCTGTCAAGGCTTCCTGATCCAGGGACTCT
 GGGAACTTTTCATGGACAGCCGCAAAAAGAACCAACAGGAACACGGGGGTGAGGATTCCTCACAGGAAAG
 CAAAGATTCAGGCCTGTGTGACTTTAAACCAGAACCTCAGCCCAGGCACAGAAACAGCCTGAGTGACTCT
 GCCGACCCCTTCCTGATCAAGTCTCCCTCAGCTTTCTAGATTATTACCAAGAAGACGTCAGTCGGCCCC
 AACCTGAGACGCAGGAATCTTCTGGAAGAGCTGATAAATTTCTGAAGCCCTTGCCTGGGCTCTGAAGT
 CTTAGAGAGCAGCTGTAATCAGCCTAGCACAGCACTCTGGCAATTAGAGAGGTTCACTGTCCCCAAAGCA
 CTGCAGAAAGTGGTGTGCTGAAGCACCAGGAAGTCTATTGGTGGTAGCTGTGAGCTCCTTACGCGGC
 ACGTCTTACCTGCAGCCAGAGCGGCATCAAGGTGTGGAACCTCGTGAACCAGGTGGCCGAGGACAGAGA
 CCCAGAAAGCCACTTGAAATGCAGCGTCCAGGACAACAAGGTGTACCTGCGCACCTGCCTGCTGTCTCC
 AACAGCAGGACCTGTTGCGGGTGGATACAACCTACCTGGCGTGATCGTGTGGGACCTGGCAGCCCAT
 CCCTGTATGAGAAGTGCCAGCTGCCCTGCGAGGGCCTGTCTGCCAGGCACTGGCCAACACAAAGGAAAA
 CATGGCCCTTGCCGGCTTACAGATGGCAGGTCAGGATATGGGACCTACGGACTCAGGAAATAGTCAGG
 AACCTCAAAGGCCCTACCAATTCGGCCAGGAACCTTGTGGTCAAAGATGACAACATCTGGACAGGGGTC
 TGGACGCTGCCGATGCTGGGACCTGCGGATGGCCAAGGTGCTCACTGGAGCATCTGTTCCAGTCCCA
 GATCATGAGCCTGGCTCACAGTCCGACCGAAGACTGGCTGCTGCTGGCCATGGCCAATGGCCAGCACTGC
 CTGTTCAACAGCAGGAAGAGGGACCAGGTGCTCACTGTGGACACCAAGGACAACACCATCTTAGGCTCA
 AGTTCTCCCAAATGGCAAGTGGTGGGCGAGCGTGGTATGGGCAACTTCATCACGGTCCACAGCATGCC
 CACCGGAGCAAACTGTTCCAGGTCGCCGAGGTTGGCCCTGTCAGATGCTTCGACATGACTGAGAACGGC
 AGGCTCATCATCAGGATCCAGGGACTGTGCCTCGGTGTACCACATCAAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208164 protein sequence
 Red=Cloning site Green=Tags(s)

MSIGVGAEGDSWPCHVSHEAPMGAQTTENSAKEEDKQVPESAALQHPKFKSTPGPQLPTRRRFLSESD
 LQDPQPWDAEPQFCQGLIQLWELFMDSRQKNQEHGGEDSSQESKDSGLCDFKPEPQPRHRNSLSDS
 ADPFLIKSPSALLDYYQEDVSRPQPETQESSGRADKFLKPLSWGSEVLESSCNQPSTALWQLERFTVPQA
 LQKVRVLKHQELLLVVAVSSFRHVFTCSQSGIKVWNLVNQVAEDRDPESHLKCSVDNKKVYLRTCLLSS
 NSRRLFAGGYNLPGVIWDLAAPSLYEKQLPCEGLSCQALANTKENMALAGFTDGTGTVRIWDLRTQEI
 NLKGPNTSARNLVKDDNIWTGGLDACLRWDLRMAKVSLEHLFQSQIMSLAHSPTEDWLLLGLANGQHC
 LFNSRKRQVLTVDTKDNTILGLKFSNGKWWASVGMGNFIVHSMPTGAKLFQVPEVGPVRCFDMTENG
 RLIIITGSRDCASVYHIKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC048832

ORF Size: 1524 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC048832](#), [AAH48832](#)

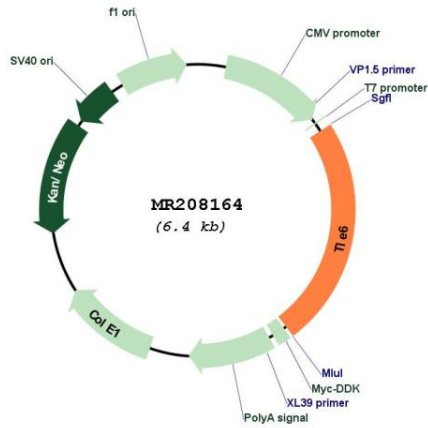
RefSeq Size: 1897 bp

RefSeq ORF: 1526 bp

Locus ID: 114606

Cytogenetics: 10 C1
MW: 56.8 kDa
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 MR208164