

Product datasheet for **MG217424**

Tcerg1 (NM_001039474) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcerg1 (NM_001039474) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tcerg1
Synonyms:	2410022J09Rik; 2900090C16Rik; AI428505; ca150; CA150b; FBP23; FBP28; p144; Taf2s
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217424 representing NM_001039474, codon optimized . Due to the complexity of NM_001039474, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGCGGGGAGGAGACGGGGCGAGGGCGAGAGATTCAACCCAGGGGAGCTGCGGATGGCTCAGC
AGCAGGCGCTGAGATTCCGCGGACCTGCACCACCTCCAACGCTGTGATGAGGGGCCACCACCACTCAT
GAGGCCACCCCCCTTTGGCATGATGAGGGGACCCCGCCGCCACCACGCCACCTTTTGGCCGCCCT
CCGTTTCGATCAAACATGCCCAATGCCACCTCCCGCGGGATTCTCTCCAATGGGGCCCCGCATC
TCCAGCGACCCCTTTTATGCCTCCACCATGGGGCCATGCCCCCTCCGCCCGCATGATGTTCCACC
AGGCATGCCTCCCGGACAGCACCAGGCGACCTGCTCTGCCCGCAGAGAAGAGATCTGGTGGAGAAT
AAGACACCAGACGAAAAGTGTACTACTATAACGCTCGAACTCGGGAGAGTGCCTGGACTAAGCCCGATG
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GCAGGCCAGGCTCAGGCCAGGCACAAGCCAGGCACAGGCCAGGCCAGGCCAGGCACAGGCTCAAGCTCAG
GCTCAAGCGCAGGCACAGGCTCAAGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCTC
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AGTCGGAGCGCCACCCCACTACCTCCAGTCTGCCAGCAGTATCAACTCCAGGCCACTAGCACA
CCCTCTCAACAAGTCCACCACCACAGCCACGAGCGTGGCGCAGACTGTGAGCACCCCACTACGC
AAGATCAGACCCCTCATCAGCTGTCAGCGTTGCAACTCTACCGTCTCAGTCAGTGTCTCCAGCTCTAC
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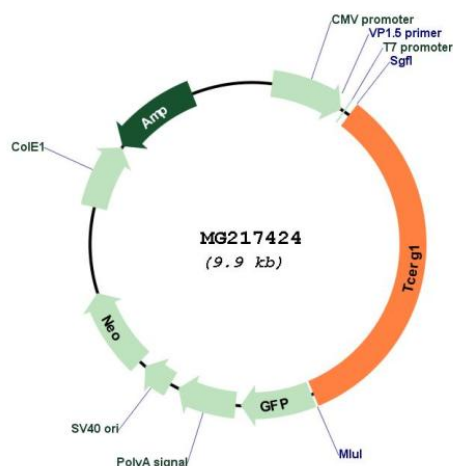


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GAATGCCGATCCCCTTGCCAGGAGTAGCAATGATGCAAATCGTTTCTTGTCCATATGTAAGACTGTCCG
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ATTGCCGTTCCCTGCCACACTCGCTGGTGCCACCGCGTGAGTGAATGGACCGAATAACAAGACGGCTG
ATGGTAAGACATATTACTACAATAACCGGACACTGGAATCAACCTGGGAAAAACCTCAGGAGCTCAAGGA
GAAAGAAAACTTGACGAGAAGATCAAAGAACCAATTAAGGAAGCCTCCGAGGAGCCCCTTCTATGGAG
ACTGAAGAGGAAGATCCAAAGGAAGAACCGGTGAAGGAGATCAAGGAGGACCTAAGGAGGAGGAGATGA
CTGAGGAGGAAAAAGCTGCCAAAAAGCCAAGCCTGTCGCTACAACACCAATCCCAGGACGCCTTGGTG
CGTGGTCTGGACAGGTGATGAGAGAGTCTTCTTACAATCCAACCACTAGGCTCAGTATGTGGACAGG
CCAGACGACCTGATCGGTGCGCGCCGACGTTGATAAGATTATCCAGGAGCCACCCACAAGAGGGCCTGG
AGGATATGAAAAAGTTGAGGCACCTGCACCGACCATGCTCTCCATACAGAAGTGGCAGTTCTCCATGAG
CGCCATAAAGGAGGAGCAGGAAGTATGGAGGAGATGAACGAGGACGAACCTATCAAGGCCAAAAAGCGG
AAACGGGACGATAACAAGGATATCGACTCTGAGAAGGAGGACGCCATGGAGGCCGAAATCAAAGCAGCTC
GCGAAAGGGCCATTGTGCCTCTGGAGGCACGGATGAAGCAATTTAAGACATGCTTCTTGAGAGAGGAGT
GTCTGCTTTCAGCACCTGGGAAAAAGAGCTGCACAAAATTGCTTTCGACCCCGCTATCTGCTGCTCAAC
CCAAAAGAAAGGAAGCAAGTGTGTTGATCAATACGTGAAAACAGGCGGAGGAAGAGAGGAGAGAGAAGA
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CACTTTTTCTGAGTTCGCCGCCAAAACACGCGAAAGATAGCAGGTTCAAGGCAATTTGAAAAGATGAAGGAC
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GCGAAAAAATCAAATCCGATTTCTCGAGCTTCTGAGCAACCACCACCTCGACTCCCAGAGTCGCTGGAG
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AGGCCAGGATAGAGGCCAGTTTGAGAGAACGGGAACGGGAGGTGCAGAAGGCCAGGAGTGAGCAGACGAA
AGAAATTGACAGAGAACGAGACAAACACAAACGCGAGGAGGCTATTCAAATTTTAAGGCACTGCTGAGC
GATATGGTGCGAAGCTCAGACGTCTCATGGTCCGACACTCGAAGGACTTTGCGCAAGGACCATCGCTGGG
AAAGCGGATCTCTTTTGAGAGGGAAGAGAAAGAGAAACTGTTTAATGAGCACATCGAAGCCCTTACAAA
GAAGAAGAGGGAGCATTTAGACAGCTGCTTGACGAAACAAGCGCTATTACGTTGACCTCTACCTGGAAA
GAGGTGAAAAAATCATTAAAGAGGACCCTCGCTGTATTAATTTCTAGTTCTGACCGCAAGAAGCAAC
GGGAGTTCGAAGAGTACATCCGCGATAAGTACATCACTGCTAAAGCAGACTTTAGAACTCTGCTGAAGGA
GACAAAATTTATAACTTACCGGTCTAAAAAATTGATTCAAGAGTCAGATCAGCATCTGAAAGACGTTGAG
AAGATCTTGCAAGACGACAAACGGTACCTCGTGTGATTGCGTGCCAGAAGAGAGGAGGAAACTCATCG
TGGCATACGTGGATGACCTGGACCGCGCGGACCTCCACCACCCCGACGGCATCCGAACCCACCCGGCG
ATCTACAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Plasmid Map:



ACCN: NM_001039474

ORF Size: 3300 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_001039474.1](#), [NP_001034563.1](#)

RefSeq Size: 4409 bp

RefSeq ORF: 3303 bp

Locus ID: 56070

UniProt ID: [Q8CGF7](#)

Cytogenetics: 18 B3

Gene Summary: Transcription factor that binds RNA polymerase II and inhibits the elongation of transcripts from target promoters. Regulates transcription elongation in a TATA box-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]