

Product datasheet for **MG218045**

Tigd4 (NM_207278) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tigd4 (NM_207278) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tigd4
Synonyms:	C130063O11Rik; Gm418
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218045 representing NM_207278
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCAGAAGCCTCTGTGGATATCGGGACTCAGCCGTAACCGTGAAGAAAAAGAAGAGCCTGTCCATCG
 AGGAGAAGATTGACATCATAAATGCAGTGGAAAGTGGCAAGAAAAAGGCAGAGATTGCAGCTGAATATGG
 CATAAAGAAAAATTCATTGTCTTCCATTATGAAAAACAAAGACAAAGTTCTAGAAGCCTTTGAGTCTTTG
 AGATTTGATCCGAAGAGAAAAAGACTGAGAACAGCGTTTTATACGGATCTAGAAGAAGCATTGATGAGGT
 GGTATCGGATTGCTCAGTGTCTAAACGTTCCAGTTAATGGCCCGATGTTGCGTCTAAAAGCTAATGATTT
 TGCCCAGAAGCTGGGACACAATGATTTTAAAGTGCAGCAATGGTTGGTGGATCGTTTTAAGTCCAGGTAT
 GGCTTAGTATTACAGACACAACCCGTAGAAGCCACGGGTATATCTATAGACCCTTCCACTGTGTGGTACC
 AAAATGTGCTACCTTATTACTTAAATGATTATCATCTCTAAAAATGTTTTCAATGTAAAAGAGACTGGGT
 GCTTTATCGAATGTTACCTACAAATACTTTGCATTCAAAGGGGAAACATGCTCAGTTGGAAGTTGTGC
 AAAGACAGGATAACGCTGGCACTCGGAACAAATATGGATGGCTCTGAGAAGCTCCCTTTGCTGATCATCG
 GGAAAAACCGAGCCCGCGTTGTTTCAAGGGCATAAAATCATTGCCTGTGTACTATGAAGCTAACAGAAC
 GGCGTGGATGACCGCAGCCATATTCGAGCAGTGGATGCAGAAGCTGGATGAGAAATTCAGCCAGAAA
 CGAAGAGTGGTGATTTTTGTTGACTCTTGCCCGCACATCCGGAAGTGAAGAACCTAAAGTCCATTGAGT
 TGGCATTCTTCCCGTCATGCTTGTCTTCCGGGTTTGCAGCTATGAATCAAGGTGTTATTAAGCCTTAA
 AATCAAATATCGGCATTGCTTATCAAGAAATTTTAAAGTTCAGTCGAAAGTAGCAAAGAGTTTACATTT
 TCTCTTCTAGATGCAGTTGATACATTGCATCTCTGCTGGAGAGCTGTAAGTCCAGAGACTATTGTTAAAA
 GCTATGAAGAAGCAGGATTCAGGTCTCCAAAGGGAGAAAAATGACACAGCCAATGCAGATGCTGCTGTTGC
 TCTTGACCTGACTGCCCATGCAGTGGGGCAGGAGTGGAGTTTCTTGAAGGCTTGCCATAGAGGAATAC
 GCTGCCCTGGATGAGGACCTGGAGACTTGTGAAGCCACCCAGAAAGATGATGCCGAGTGGCCCGGAGAAA
 GTAAGCAAGACGAACTGGTCTTTATACTTCCGATGAAGAGGAGGAGGACAGCGGGCGCTAGAAGTGGA
 TCTGCCGTCAACATCCAAGAAGGACGCGCTCTCAGCTGTAGGCACTCTGAAAAGGTTTCTAGAAGTCAC
 GACCTGAATGATGAACCTCACGGTCTTTAGCAGACCTTGAAACTTTATTAACGCTTTGTACCTAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218045 representing NM_207278
 Red=Cloning site Green=Tags(s)

MAEASVDIGTQPVTVKKKSLSIEEKIDIINAVESGKKKAEIAAEYGIKKNSLSSIMKNKDKVLEAFESL
 RFDPKRRLRTAFYTDLEEALMRWYRIAQCLNVPVNGPMLRLKANDFAQKLGHNDFKCSNGWLDRFKSR
 GLVFRAPVEATGISIDPSTVWYQNVLPYYLNDYHPKNVFNKGTGLLYRMLPTNTFAFKGETCSVGKLC
 KDRITLALGTNMDGSEKLPLLIIGKNRAPRCFKGIKSLPVYYEANRTAWMTAAIFEQWMQKLEKFAQK
 RRVVIFVDSCPAHPEVKNLKSIELAFFPSCLSSGFAAMNQGVIKSLIKYRHCLIKKFLSSVESKEFTF
 SLLDAVDTLHLCWRAVTPETIVKSYEEAGFRSPKGENDTANADAVALDLTAHAVGAGVEFLEGLSIEEY
 AALDEDLETCEATQKDDAEWAGESKQDETGLYTSDEEEEDSGALEVDLPSPSKKDALSAGVTLKRLFRSH
 DLNDELHGSLADLENFINALSPK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_207278

ORF Size: 1539 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: [NM_207278.2](#), [NP_997161.1](#)

RefSeq Size: 3459 bp

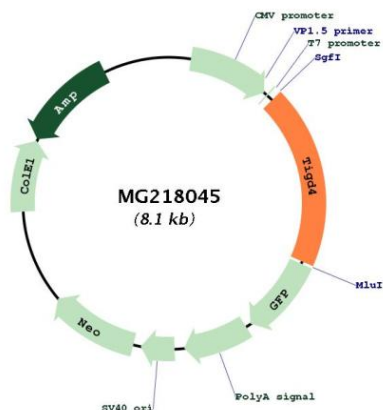
RefSeq ORF: 1542 bp

Locus ID: 403175

UniProt ID: Q8BUZ3

Cytogenetics: 3 F1

Product images:



Circular map for MG218045