

Product datasheet for **MR218045**

Tigd4 (NM_207278) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tigd4 (NM_207278) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tigd4
Synonyms:	C130063O11Rik; Gm418
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218045 representing NM_207278
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAAGCCTCTGTGGATATCGGGACTCAGCCGTAACCGTGAAGAAAAAGAAGAGCCTGTCCATCG
 AGGAGAAGATTGACATCATAAATGCAGTGGAAAGTGGCAAGAAAAAGGCAGAGATTGCAGCTGAATATGG
 CATAAAGAAAAATTCATTGTCTTCCATTATGAAAAACAAAGACAAAGTTCTAGAAGCCTTTGAGTCTTTG
 AGATTTGATCCGAAGAGAAAAAGACTGAGAACAGCGTTTTATACGGATCTAGAAGAAGCATTGATGAGGT
 GGTATCGGATTGCTCAGTGTCTAAACGTTCCAGTTAATGGCCCGATGTTGCGTCTAAAAGCTAATGATTT
 TGCCCAGAAGCTGGGACACAATGATTTTAAAGTGCAGCAATGGTTGGTGGATCGTTTTAAGTCCAGGTAT
 GGCTTAGTATTACAGACACAACCCGTAGAAGCCACGGGTATATCTATAGACCCTTCCACTGTGTGGTACC
 AAAATGTGCTACCTTATTACTTAAATGATTATCATCTCTAAAAATGTTTTCAATGTAAAAGAGACTGGGT
 GCTTTATCGAATGTTACCTACAAATACTTTGCATTCAAAGGGGAAACATGCTCAGTTGGAAAGTTGTGC
 AAAGACAGGATAACGCTGGCACTCGGAACAAATATGGATGGCTCTGAGAACTCCCTTTGCTGATCATCG
 GGAAAAACCGAGCCCGCGTTGTTTCAAGGGCATAAAATCATTGCCTGTGTACTATGAAGCTAACAGAAC
 GGCGTGGATGACCGCAGCCATATTCGAGCAGTGGATGCAGAACTGGATGAGAAATTCAGCCAGAAA
 CGAAGAGTGGTGATTTTTGTTGACTCTTGCCCGCACATCCGGAAGTAAAAACCTAAAGTCCATTGAGT
 TGGCATTCTTCCCGTCATGCTTGTCTTCCGGGTTTGCAGCTATGAATCAAGGTGTTATTAAGCCTTAA
 AATCAAATATCGGCATTGCTTATCAAGAAATTTTAAAGTTCAGTCGAAAGTAGCAAAGAGTTTACATTT
 TCTCTTCTAGATGCAGTTGATACATTGCATCTCTGCTGGAGAGCTGTAAGTCCAGAGACTATTGTTAAAA
 GCTATGAAGAAGCAGGATTCAGGTCTCCAAAGGGAGAAAAATGACACAGCCAATGCAGATGCTGCTGTTGC
 TCTTGACCTGACTGCCCATGCAGTGGGGCAGGAGTGGAGTTTCTTGAAGGCTTGCCATAGAGGAATAC
 GCTGCCCTGGATGAGGACCTGGAGACTTGTGAAGCCACCAGAAAGATGATGCCGAGTGGCCCGGAGAAA
 GTAAGCAAGACGAACTGGTCTTTATACTTCCGATGAAGAGGAGGAGACAGCGGGCGCTAGAAGTGGA
 TCTGCCGTCAACATCCAAGAAGGACGCGCTCTCAGCTGTAGGCACTCTGAAAAGTTTCTTAGAAGTCAC
 GACCTGAATGATGAACCTCACGGTCTTTAGCAGACCTTGAAAACCTTTATTAACGCTTTGTACACCTAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218045 representing NM_207278
 Red=Cloning site Green=Tags(s)

MAEASVDIGTQPVTVKKKSLSIEEKIDIINAVESGKKKAEIAAEYGIKKNSLSSIMKNKDKVLEAFESL
 RFDPKRKRLRTAFYTDLEEALMRWYRIAQCLNVPVNGPMLRLKANDFAQKLGHNDFKCSNGLDRFKSRY
 GLVFRAQPVEATGISIDPSTVWYQNVLPYYLNDYHPKNVFNKGTGLLYRMLPTNTFAFKGETCSVGKLC
 KDRITLALGTNMDGSEKLPLLIIGKNRAPRCFKGIKSLPVYYEANRTAWMTAAIFEQWMQKLDEKFAQK
 RRVVIFVDSCPAHPEVKNLKSIELAFFPSCLSSGFAAMNQGVIKSLIKYRHCLIKKFLSSVESKEFTF
 SLLDAVDTLHLCWRAVTPETIVKSYEEAGFRSPKGENDTANADAVALDLTAHAVGAGVEFLEGLSIEEY
 AALDEDLETCEATQKDDAEWAGESKQDETGLYTSDEEEEDSGALEVDLPSPSKKDALSAGVTLKRFLRSH
 DLNDELHGSLADLENFINALSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9072_a03.zip

Restriction Sites:

SgfI-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

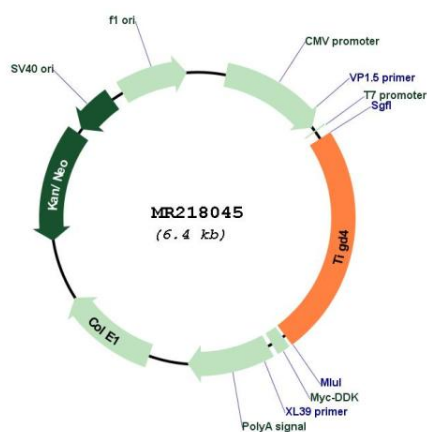
Locus ID: 403175

UniProt ID: Q8BUZ3

Cytogenetics: 3 F1

MW: 57.5 kDa

Product images:



Circular map for MR218045