

## Product datasheet for **MG224020**

### Trim43c (NM\_001177858) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trim43c (NM_001177858) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim43c
Synonyms:	EG666731; Trim43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224020 representing NM\_001177858  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAATCAGACAATTTACAAGACCCTCAGGAGGAAACACTCACCTGCTCCATCTGCCAGGGTATCTTTA  
 TGATCCAGTTTTATTTAAGGTGTGGCCATAAGTTCTGCGAGACATGTCTTACTTTTTCAAGAAGACAT  
 CAAATTTCTGCCTACTGCCCCAGTGTAGGCAACCATGCAACCAGAGATATATAAATGACATTTCTCTG  
 AAGAAGCAGGTGTTTATTGTCAGAAAGAAAAGGCTCATGGAATATCTGAATTCTGAGGAGCACAAGTGTG  
 TGACCCACAAGGCGAAAAAGATGATCTTCTGTGATAAGAGCAAGATCCTCCTCTGCACCTGTGTTCTGA  
 CTCCCAGGAGCACAGCGGTCACACACACTGTTCCATTGATGTAGCTGTTCCAGGAGAAAATGGAGGAACTT  
 CTAAGGCACATGGACTCATTATGGCAGAGGCTCAAAATCCAGCAGAATTATGTAGAAAAAGAGAGGAGAA  
 TGACCTTGTGGTGGTGAAGTCCGTGAAGCTACGGGAGGAAGTATCAAGAGAGTGTATGGAAAACAATG  
 TCCACCCCTCAGTGAAGAAAGGGATCAACACATAGAGTGTGGAGACATCAAAGCAACACTACTTTAGAG  
 GAGCTCAGGAAAAGTGAAGCTACGATAGTCCACGAGAGAAATCAACTAACAGAGGTGTATCAGGAGCTGA  
 TGACAATGTCCCAGAGGCCATACCAGGAGCTGCTGGTGCAGGACTTGGATGACTTGTTCAGAAGGAGTAA  
 GCTAGCGGCAAAGGTGGACATGCCACAGGGTATGATACCAAGACTCCGTGCCATTCCATTCTGGGCTG  
 ACTGCAAGGCTCAACTCCTTCCGAGTGAAGATTTCTTTAAACATTCAATCATGTTCCGGCTACAACCTCAG  
 TCAGACCTTTTGATATCAGACTTCTCCATGAAAGCACATCTCTGGATTACGCTAAAACCCATCGTGTTC  
 CTGGGGAAAAAGAGCTTCTCCAGGGGAAAATACTACTGGGAGGTGGATTGAAGGACTATAGGCGGTGG  
 ACTGTAGGAGTCTGTAAGGATCCCTGGTTAAGGGGAGAAGCTATGTGGTGACACCCACAGATATATTTCT  
 TTCTTGAGTGTGAGAAAACAAGATCATTACATTCTCATCACCCGCATAGGACGTGAACACTATATAGA  
 GAAGCCAGTTGGCCAGGTTGGCGTGTCCCTTGATTGTGAGGGTGGATATGTAAGTTTCGTGGATGTAGCC  
 AAGAGTCCCTCATACTCAGCTACTCTCTGGAACCTTCCATTGTGCTGTGAGGCCCTTCTCTTTGCTG  
 CCTACACC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG224020 representing NM\_001177858  
 Red=Cloning site Green=Tags(s)

MESDNLQDPQEETLTCSICQGI FMDPVYLRCGHKFCETCLLLFQEDIKFPAYCPTCRQPCNQRYINDISL  
 KKQVFI VRKKRLMEYLNSEEHKVTHKAKKMFCDKSKILLCHLCSDSQEHSNGTHCSIDVAVQEKMEEL  
 LKHMSLWQRLKIQQNYVEKERRMTLWLLKSVKLREEVIKRVYKQCPPLSEERDQHIECLRHSNTTLE  
 ELRKSEATIVHERNQLTEVYQELMTMSQRPYQELLVQDLDDLFRRSKLAAKVDMQGMIPRLRAHSIPGL  
 TARLNSFRVKISFKHSIMFGYNSVRPFDIRLLHESTSLDSAKTHRVSWGKKSFSRGKYYWEVDLKDYYRW  
 TVGVCKDPWLRGRSYVVTPTDIFLLECLRNDHYILITRIGREHYIEKPVGVGVFLDCEGGYVSFVDVA  
 KSSLILSYSPGTFHCAVRPFFFAAYT

**TRTRPLE** – GFP Tag – V

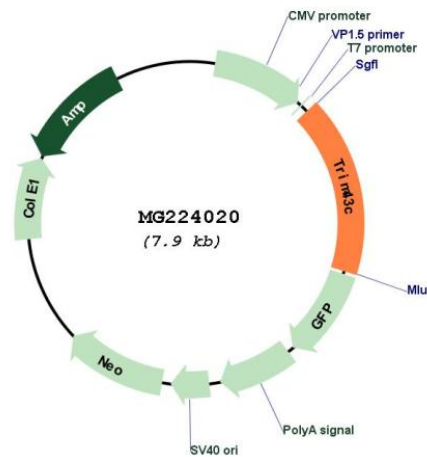
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001177858

ORF Size: 1338 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001177858.1, NP_001171329.1</u>
<b>RefSeq Size:</b>	1990 bp
<b>RefSeq ORF:</b>	1341 bp
<b>Locus ID:</b>	666731
<b>UniProt ID:</b>	<u>P86449</u>
<b>Cytogenetics:</b>	9 E3.1