

## Product datasheet for **MR225323**

### Trim12a (NM\_023835) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trim12a (NM\_023835) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Trim12a  
**Synonyms:** 2310043C01Rik; Trim12  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR225323 representing NM\_023835  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTTCACAATTCATGAAGAATTTAAAGGAGGAGGTGACCTGTCCTGTCTGTCTGAACCTGATGGTGA  
AACCTGTGAGTGCAGATTGTGGTCACACCTTCTGCCAAGGCTGCATCACGTTGTACTTTGAATCCATCAA  
ATGCGATAAGAAAGTGTTCAATTTGCCCTGTGTGCCGAATTAGTTACCAGTTTAGCAATCTGAGGCCAAT  
CGAAATGTGCCAACATAGTAGAGAGGCTCAAAATGTTCAAGCCAGCCAGAAGAGGAGCAGAAAGTGT  
TTAACTGTGCAAGACATGAAAGAACTCCAGCTCTTCTGTAGGAAGGACATGATGGCCATCTGCTGGCT  
TTGTGAGCGATCTCAGGAGCACCGTGGTCACAAAACAGCTCTCATTGAAGAGGTGGCCAGGAGTACAAG  
GAGCAGCTGCAGGTAGTTCTGCAAAGGCTGATGGCAGATAAGAAAAAATTTGAAAAGTGGAAAGATGACC  
TTCAGAAGGATAGAACTTACTGGGAGAATCAAATACAGAAAGATGTGCAGAATGTTCCGTCAGAGTTTAA  
ACGAATGAGGGATATCATGGACTCTGAGGAGAAGAAGGAATTGCAGAAGCTGAGGCAAGAGAAGGAAGAC  
ATTCTCAACAACCTGGCAGAGTCTGAAAGTGAGCATGCTCAGCAGAGCAAGTTGCTAGAAGACTTCATCT  
CAGATGTGGAACATCAGTTACAGTGCTCAGACATAGAAATACTGCAGGGTGTGGAGAACATCAGAACCG  
GAGTCATACTTTTCGATGAAGAAGCCAAAGCCATCGCCAGGGAACAAGAAAGTCCGAGCCCCGTGAC  
CTGCAAGGCATGCTGCAAGTGCTGCAAGAGGTCACAGAGGCTCATCGCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225323 representing NM\_023835  
Red=Cloning site Green=Tags(s)

MASQFMKNLKEEVTCPVCLNLMVKPVSADCGHTFCQGCITLYFESIKCDKKVVICPVCRISYQFSNLRPN  
 RNVANIVERLKMFKPSPEEEQKVFNCARHGKQLFCRKDMAICWLERSQEHKGTALIEEVAQEYK  
 EQLQVVLQRLMADKKKFENWKDDLQKDRTYWENQIQKDVQNVSEFKRMRDIMDSEEKELQKLRQEKED  
 ILNLAESESEHAQQSKLLEDFISDVEHQLQCSDEIEILQGVENIERSHTFSMKKPKAIAREQRKFRAPD  
 LQGMLQVLQEVTEAHRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9062\\_b06.zip](https://cdn.origene.com/chromatograms/mm9062_b06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_023835

**ORF Size:** 891 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\\_023835.2](#), [NP\\_076324.2](#)

**RefSeq Size:** 1553 bp

**RefSeq ORF:** 894 bp

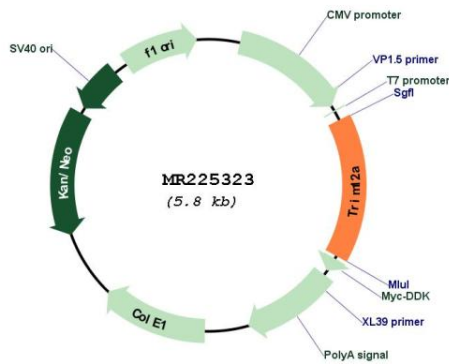
**Locus ID:** 76681

**UniProt ID:** [Q99PQ1](#)

**Cytogenetics:** 7 E3

**MW:** 35.2 kDa

**Product images:**



Circular map for MR225323