

Product datasheet for **MR223389**

Trim55 (NM_001081281) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim55 (NM_001081281) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim55
Synonyms:	D830041C10Rik; Murf2; Rnf29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223389 representing NM_001081281
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCACTTCTCTGAATTACAAGTCTTCTCCAAAGAGCAGCAGACCATGGATAACTTGGAAAAGCAAC
 TGATCTGTCCCCTGCCTAGAGATGTTACGAAGCCTGTGGTCACTTCCCTTGCCAGCACAACCTGTG
 CAGGAAATGTGCCAGTGACATCTTCCAGGCCTCTAACCCGTACTTACCCACAAGAGGAGGCCACCACCGTG
 GCATCAGGGGGCCGCTTCCGCTGTCCCTCCTGCAGACATGAGGTGGTGTAGACAGACATGGGGTCTATG
 GACTGCAGAGGAACCTGCTCGTGAAAACATTATTGATATCTACAAGCAGGAATCCACCAGGCCAGAAAA
 AAAATTGGACCAGCCATGTGTGAAGAGCATGAAGAGGAACGCATCAACATCTATTGTCTGAACTGTGAA
 GTGCCACCTGTTCCCTGTGCAAGGTTTTGGCGCCATAAGGACTGCCAGGTGGCTCCCTGACTCATG
 TGTTCCAGAGGCAGAAGTCAGAGCTCAGTGATGGTATTGCTGACTTGTGGGAAGCAACGATAGAGTCCA
 GGGTGTGATCAGCCAGCTGGAGGACACCTGTAACACTATTGAGGAGTGCTGCAGAAAGCAGAAACAGGAC
 CTGTGTGAGAAATTTGATCACCTATACGGCATCCTGGAGGAGAGGAAGACTGAAATGACCCAAGCCATCA
 CTCGAACACAGGAGGAGAACTGGAACATGTCCGAACTCTTATCAGGAAGTATCCGATCACCTGGAGAA
 CGTATCCAAGTTGGTGGAGTCAGGAATCCAGTTTATGGATGAGCCCGAAATGGCAGTATTTCTGCAGAA
 GCCAAGACCCTGTTGCAAAAGATCGTGGAAGCATCAAAGCGCTTCAGATGGAGAACTAGAACAAAGTT
 ATGAGATCATGAGCAACTTCACTGTCAATCTCAATAGAGAAGAAAAAATTATCCGTGAAATTTGACTTTTC
 TAGAGAAGAGGAAGGAAGAAGATGCAGGAGAAATAGATGAAGAAGGAGAAGGAGAGGATGCAGTAGAA
 GTAGAAGAGGCAGAAAAATGTTCAAATAGCATCTTCAGGGGAAGAGGAGAGTCTGGAGAAAGCTGCAGAGC
 CCTCTCAGTTCCTCCGAGAGCTTCAGGTCGCCCCAGAGCCACTACCTGCTTCTCCAGAACCCTTTTC
 ATCCATGCCACCTGCTGCAGATGTCCTGGTGACACAGGGGGAGGTGGTGCCCATTTGGCTCTCAGCAGACC
 ACACAGTCTGAACTTACGGCCCTTCAGCAGCGGAACTGCGGATCCCTGTTTTACCCTAGTTGGTATA
 AAGGCCAAAGCCGAAAACCAGCTCCAACCCACCTTCACTCATGGGAGTGAAGGTCTGGGTCAAATAGG
 GCCTCTGGGCATTGAGGATTCAGTGTGCAGTCCGCAGAAGTGGCAGAAGCCGAACCAATGAGCAGGCA
 GCAGTGAGTGGTAAGGAGTCTAGTTCAACTGCAGTACCTCTCAGATTGGATTTGAGGCCCTTCTCCCC
 AGGGACAGTCTGCAGCCTTGGGGAGTGGGGTGGGGCTGATCCTGAGCCAGCTCGCCACGTCTTCTCCTT
 CTCCTGGTTGAATCCCTAAATGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223389 representing NM_001081281
 Red=Cloning site Green=Tags(s)

MSTSLNYKSFSKEQQTMDNLEKQLICPICLEMFTKPVVILPCQHNLCRKCASDIFQASNPYLPTRGGTTY
 ASGGRFRPCSRHEVVLDHRHGVYGLQRNLLVENIIDIIYKQESTRPEKKLDQPMCEEHEEERINIIYCLNCE
 VPTCSLCKVFGAHKDCQVAPLTHVFQRQKSELSDGI AVL VGSNDRVQGVISQLEDTKTIEECCRKQKQD
 LCEKFDHLYGILEERKTEMTQAI TRTQEEKLEHVRTLIRKYSDHLENVSKLVESGIQFMDEPEMAVFLQN
 AKTLLQKIVEASKAFQMEKLEQGYEIMSNFTVNLNREEKI IREIDFSREEEEEEDAGEIDEEGEGEDAVE
 VEEAENVQIASSGEEESLEKAAEPSQLPAELQVAPEPLPASSPEPFSSMPPAADVLVTQGEVVPISQQT
 TQSETSGPSAAETADPLFYPSWYKQSRKTSNPPCTHGSEGLGQIGPLGIEDSSVQSAEVAEAAATNEQA
 AVSGKESSTAATSQIGFEAPSPQGQSAALGSGGGADPEPARHVFVSWLNSLNE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1936_e10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001081281

ORF Size: 1635 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

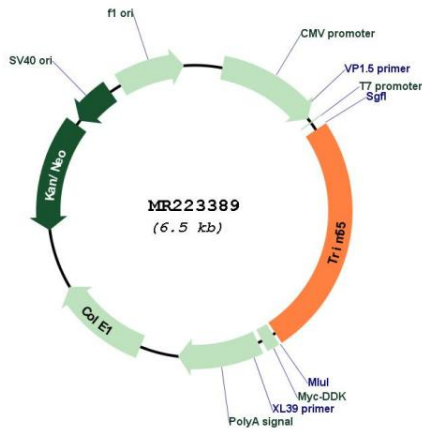
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001081281.2](#)

RefSeq Size: 1787 bp
 RefSeq ORF: 1638 bp
 Locus ID: 381485
 Cytogenetics: 3 A2
 MW: 60.6 kDa

Product images:



Circular map for MR223389