

Product datasheet for **MC216873**

Trim6 (NM_001013616) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim6 (NM_001013616) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim6
Synonyms:	C430046K18Rik; D7Ertd684e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216873 representing NM_001013616
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTCAACAGTCTTGGTGGACATCCGAGATGAAGTAACCTGCCTATCTGCTTGGAGCTCCTGACAG
 AACCCCTGAGCATTGATTGTGGCCATAGCTTCTGCCAGGTCTGCATCATAGGAAACAGTAATAATTCAGT
 GTTCGGCCAAGGAGGGAGGAGCAGCTGTCTGTGTGCCGACCTCCTATCAGCCTGGAAACCTCCGTCCT
 AATCGGCACCTGGCCGCATAGTGAAGAGGCTCAGAGAGGTTGCGTTGTGCCCTGGAAAACAACTCGAGG
 TCATTTTTTGTGCGCTTCATGGAGAGAACTCCAGCTCTTTTGAAGGAGGATGGGAAGTTAATTTGCTG
 GCTTTGTGAACGATCTCAGGAGCACCGTGGTTCATCACACATTCTCATGGAGGAGGTGGCCAGGAGTAC
 CAGGACATGTTCCAGGAGTCTCTGAAGAAATTGAGGAGGGAGCAGCAGGAAGCCGAGAAGCTAAAAGCTC
 TTATCCAGGAGAAGAGGGAATCCTGGAAGAGTCAAGTGGAGCCTGAGAAACGCCGATCCAGACAGAGTT
 TAAGCAGCTCCGAAGCATCCTGGACAGGGAGGAGCAGCGGGAACGAAGAACTGGAAGTGAAGAGAGG
 AAGGGGCTGAGCATCATAGAAAAGGCCGAGGGTACCTGATCCACCAGAGCCAGTCACTGAAGGACCTCA
 TCTCAGACCTGGAGCACCGGTGCCAGGGTCCACCGTAGAACTGCTGCAGGATGTGGGTGATGTTACAAA
 AAGGAGTGAGTTCTGGACCCTGAGGAAGCCCAAGCTCTCCCCACCAAGCTGAAAAGTTTGTTCGAGCA
 CCGGATCTGAGGAAGATGCTAAAAGTCTTTAGAGAGCTGACAGATGTCCAAGCTATTGGGTGGACGTGA
 CACTGAATCCACAGACGGCTAATTTAAATCTTGTCTGTGCAAAAATCGGAGACAGGTGAGGTTTGTGGG
 TGCCAGCTGTCCGAGCCATCCAGTCTGGAAGAACATTGACTGTAGTGTCTGGGCTCTCAGCACTTC
 TCCTCAGGAAAATACTACTGGAAGTGGACGTGAGCAAGAAGACGGCATGGATCTTGGGTGTATGCAGTA
 CCCCAGTGGATCCCATGTTCTCTTTCAGCCAGTACTCCAGCAAGCAGGGCGCCTACTCCAGTATCAGCC
 ACAGTGTGGATACTGGGTGATTGGCTTGCAGTGTAAAGCAGGATACAGAGCCTATGAGGATTCCTCCCCG
 TCCTGTCTCTCCATGACCGTCCACCTCGACGCATAGGGATTTTCTTAGACTGTGAGGCTGGCACGG
 TCTCCTTTATAATGTCACAAACCAGGCTTGCCCATCTACACCTTCTCGAAGTATTACTTTCCTTCTGCG
 CCTTGTCCCTATTTAATCCCTGCAGCTGTATAGTCCCGATGACCCTGCGGCGGCCAACTTCTGA

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001013616
- Insert Size:** 1467 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:	<u>NM_001013616.2, NP_001013637.1</u>
RefSeq Size:	3827 bp
RefSeq ORF:	1467 bp
Locus ID:	94088
UniProt ID:	<u>Q8BGE7</u>
Cytogenetics:	7 55.55 cM
Gene Summary:	E3 ubiquitin-protein ligase which ubiquitinates MYC and inhibits its transcription activation activity, maintaining the pluripotency of embryonic stem cells (PubMed:22328504). Involved in the synthesis of unanchored K48-linked polyubiquitin chains which interact with and activate the serine/threonine kinase IKBKE, leading to phosphorylation of STAT1 and stimulation of an antiviral response (PubMed:24882218).[UniProtKB/Swiss-Prot Function]