

## Product datasheet for **MC228831**

### Trim2 (NM\_001271728) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trim2 (NM_001271728) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim2
Synonyms:	mKIAA0517; narf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228831 representing NM\_001271728  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAGTGAGGGCCAGCATCCCAAGTCCCCTGGTGGCCAGATTGACAAGCAGTTTCTGATCTGCA  
 GTATATGCCTGGAACGGTACAAGAACCCTAAGGTCCTGCCTGTCTGCACACTTTCTGCGAGAGGTGCCT  
 GCAGAACTACATCCCAGCCACAGTTTAACTCTCTCTGCCCGGTGTGTGCCAGACATCCATCCTGCC  
 GAGAAAGGGTGGCCGACTTCAGAACAACCTTCTTATCACGAACCTCATGGATGTGCTGCAGCGGACGC  
 CAGGCAGCAACGGCGAGGACTCTCCATCCTGGAGACGGTACCCTGTGGCTGCAGGAAAGCCTTTTC  
 GTGCCAAACCATGATGGAATGTGATGGAATTTACTGCCAGTCTGTGAGACCCCATGTGTCGGGAG  
 TGCACGGAGGGGAGCACGGGAGCACCCACAGTCCCCTGAAGGATGGTGGAGCAGCACAAAGCCT  
 CGCTCCAGGTCCAGTGGACGCAGTCAACAAAAGACTCCCAGAAATAGATTCTGCTTTCAGTTCATCTC  
 AGAAATCATCCATCAGTTAACCAACAAAAGGCCAGCATTGTGGATGACATCCACTCCACCTTTGATGAG  
 CTGCAGAAAGACTTTAAATGTTCCGAAGAGCGTGTCTGCTCATGGAGTTGGAGGTCAACTATGGTCTCAAAC  
 ACAAAGTGTGCAGTCCGAGCTGGATACCTGCTCCAAGGCCAGGAAAGCATTAAAGAGCTGCAGCAACT  
 CACGGCTCAGGCCCTCAACCATGGCACGGAGACGGAGGTGCTGCTGGTGAAGAAGCAGATGAGCGAGAAG  
 CTGAACGAACTGGCGGACCAGGACTTCCCCTGCACCCGCGGAGAACGACCAGCTGGATTTTATCGTGG  
 AAACGGAGGGACTGAAGAAGTCTATCCACAACCTGGGGACCATCCTCACCACTAACCGGGTGCCTCTGA  
 GACGGTGGCCACGGGGAGGGGCTGCGGCAGACCATCATCGGGCAGCCCATGTCCGTTACTATAACCACC  
 AAGGACAAAGACGGAGAGCTGTGCAAGACAGGCAACGCATACCTCACCGTGTGAGCTCAGCACCCGGACG  
 GCAGCGTGGCCGACGGAGAGATCCTGGACAACAAGAACGGCACCTACGAGTTCTGTATACTGTGCAGAA  
 GGAGGGGACTTACCCTGTCCCTCAGGCTCTACGACCAGCATATCCGAGGCAGCCCGTTTAAAGCTCAAG  
 GTCATCCGCTCTGCCGAGTGTCCCCACCACCGAGGGCGTGAAGCGACGAGTCAAGTCCCCGGGGAGCG  
 GGCACGTCAAGCAGAAGGCTGTGAAGAGACCTGCCAGCATGTACAGCACCGGCAAGCGAAAAGAGAACC  
 CATCGAGGACGACCTGATCTTCCGAGTCCGTTACCAAAGGAAGAAACAAAGGAGAAATTTACAAACCTGCAG  
 GGTGTGGTGCATCTACAAGTGGAAAGATATTAATTGCAGATAGTAAACAACAGTGTGTGCAGATCTTTT  
 CCAATGATGGACAGTTCAAAGTCTGTTTCGGCATCCGAGGACGATCACCCGGACAGCTCCAGCGGCCAC  
 GGGGTAGCGGTGCACCCAGTGGGACATCATATTGCAGATTATGACAACAAGTGGGTTAGCATTTTC  
 TCCAATGATGGGAAGTTTAAAGACAAAAATTGGATCAGGAAAAGTGTGGGCCCCAAGGAGTTTCTGTGG  
 ACCGCAATGGGCACATTATTGTGGTGGACAACAAGGCGTGTGTGTTTATCTTCCAGCCAACCGGAA  
 AATAGTACCAGTTTGGTAGCCGAGGAAACGGGGACAGGCGATTTGCAGGTCCCCACTTTGCAGCTGTG  
 AATAGCAATAATGAGATCATATTACAGATTTCCATAATCACTCTGTCAAGGATTTAATCAGGAAGGAG  
 AATTATGTTGAAGTTTGGCTCCAATGGAGAAGGAAATGGGCAGTTTAAATGCACCAACAGGTGTGGCCGT  
 GGACTCAAATGGGAACATCATTGTGGCTGACTGGGGAACAGCAGGATCCAGGTTTTTGTGGGAGTGG  
 TCAATTTTGTCTATATCAACACATCTGCTGACCCGCTCTATGGCCCCAGGGCCTGGCTCTCACTTCAG  
 ATGGCCATGTTGTGGTTGCAGACTCCGAAACCACTGTTTCAAGGTCTACCGTACTTACAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001271728

**Insert Size:** 2235 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_001271728.1</a></u> , <u><a href="#">NP_001258657.1</a></u>
<b>RefSeq Size:</b>	7211 bp
<b>RefSeq ORF:</b>	2235 bp
<b>Locus ID:</b>	80890
<b>UniProt ID:</b>	<u><a href="#">Q9ESN6</a></u>
<b>Cytogenetics:</b>	3 F1
<b>Gene Summary:</b>	<p>UBE2D1-dependent E3 ubiquitin-protein ligase that mediates the ubiquitination of NEFL and of phosphorylated BCL2L11. Plays a neuroprotective function. May play a role in neuronal rapid ischemic tolerance.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Variants 2, 3, and 5 encode the same isoform (2).</p>