

Product datasheet for **MC228830**

Trim2 (NM_001271727) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim2 (NM_001271727) 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:

>MC228830 representing NM_001271727

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCCAGTGAGGGCGCCAGCATCCCAAGTCCCGTGGTGCAGATTGACAAGCAGTTTCTGATCTGCA
GTATATGCCTGGAACGGTACAAGAACCCCAAGGTCCTGCCCTGTCTGCACACTTTCTGCGAGAGGTGCCT
GCAGAATAACATCCAGCCACAGTTTAAACCTCTCTGCCCGGTGTGTGCCAGACATCCATCCTGCC
GAGAAAGGGGTGGCCGCACTTCAGAACAACCTTCTTTATCACGAACCTCATGGATGTGCTGCAGCGGACGC
CAGGCAGCAACGGCGAGGACTCTCCATCCTGGAGACGGTCACCGCTGTGGCTGCAGGAAAGCCTCTTTC
GTGCCCAAACCATGATGGAATGTGATGGAATTTTACTGCCAGTCTGTGAGACCGCCATGTGTCCGGAG
TGCACGGAGGGGAGCACGGGAGCACCCACAGTCCCGCTGAAGGATGTGGTGGAGCAGCACAAAGCCT
CGCTCCAGGTCCAGCTGGACGCAGTCAACAAAAGACTCCAGAAATAGATTCTGCTCTTCAGTTCATCTC
AGAAATCATCCATCAGTTAACCAACAAAAGGCCAGCATTGTGGATGACATCCACTCCACCTTTGATGAG
CTGCAGAAAGACTTTAAATGTTCCGAAGAGCGTGTCTGCTCATGGAGTTGGAGGTCAACTATGGTCTCAAA
ACAAAGTGTCTGCAGTCGAGCTGGATACCTGCTCCAAGGCCAGGAAAGCATTAAAGAGCTGCAGCAACT
CACGGCTCAGGCCCTCAACCATGGCAGCGAGACGGAGGTGCTGCTGGTGAAGAAGCAGATGAGCGAGAAG
CTGAACGAACCTGGCGGACAGGACTTCCACTGCACCCGCGCAGAGAACGACAGCTGGATTTTATCGTGG
AAACGGAGGGACTGAAGAAGTCTATCCACAACCTGGGGACCATCTCACCCTAACCGCGTCCGCTCTGA
GACGGTGGCCACGGGGGAGGGGTGCGGCAGACCATCATCGGGCAGCCCATGTCCGTTACTATAACCACC
AAGGACAAAGACGGAGAGCTGTGCAAGACAGGCAACGCATACCTACCGCTGAGCTCAGCACCCCGGACG
GCAGCGTGGCCGACGGAGAGATCTTGCAACAAGAAGCGCACCTACGAGTCTTGATATACTGTGCAGAA
GGAGGGGACTTCACCCTGTCCCTCAGGCTCTACGACCATATCCGAGGCAGCCGTTTAAAGTCAAG
GTCATCCGCTCTGCCGAGTGTCCCCACACCGAGGGCGTGAAGCGACGAGTCAAGTCCCCGGGGAGCG
GGCAGCTCAAGCAGAAGGCTGTGAAGAGACCTGCCAGCATGTACAGCACCGCAAGCGAAAAGAGAACCC
CATCGAGGACGACCTGATCTTCCGAGTCGGTACCAAAGGAAGAAACAAAGGAGAATTTACAAACCTGCAG
GGTGTGGCTGCATCTACAAGTGAAAGATATTAATTGCAGATAGTAACAACAGTGTGTGCAGATCTTTT
CCAATGATGGACAGTTCAAAAGTCGTTTCGGCATCCGAGGACGATCACCGGACAGCTCCAGCGGCCAC
GGGGGTAGCGGTGCACCCAGTGGGACATCATATTGCAGATTATGACAACAAGTGGGTAGCATTTTC
TCCAATGATGGGAAGTTTAAAGACAAAATTTGGATCAGGAAAATGATGGGGCCCAAGGAGTTTCTGTGG
ACCGCAATGGGCACATTATTGTGGTGGACAACAAGGCGTGTGTGTTTATCTTCCAGCCCAACGGGAA
AATAGTCACAGGTTTGGTAGCCGAGGAAACGGGGACAGGCAGTTTGCAGGTCCCCACTTTGCAGCTGTG
AATAGCAATAATGAGATCATATTACAGATTTCCATAATCACTCTGTCAAGGTATTTAATCAGGAAGGAG
AATTATGTTGAAGTTTGGCTCCAATGGAGAAGGAAATGGGCAGTTTAAATGCACCAACAGGTGTGGCCGT
GGACTCAAATGGGAACATATTGTGGCTGACTGGGGGAACAGCAGGATCCAGGTTTTTGTGGGAGTGGA
TCATTTTGTCTATATCAACACATCTGCTGACCCGCTCTATGGCCCCAGGGCCTGGCTCTCACTTCAG
ATGGCCATGTTGTGGTTGCAGACTCCGAAACCACTGTTTCAAGGTCTACCGGTACTTACAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001271727

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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001271727.1</u> , <u>NP_001258656.1</u>
RefSeq Size:	7413 bp
RefSeq ORF:	2235 bp
Locus ID:	80890
UniProt ID:	<u>Q9ESN6</u>
Cytogenetics:	3 F1
Gene Summary:	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] Transcript Variant: This variant (3) 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).