

Product datasheet for **RN203115**

Trim2 (NM_001108552) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim2 (NM_001108552) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trim2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203115 representing NM_001108552
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGCGTGCAGGGTCGAGGACAGCCGGCCCCACATGTCAGTGGTCTAGGATGGCCAGTGAGGGCGCCA
 GCATCCCGAGTCCCTGTGGTACGCCAGATTGACAAGCAGTTTCTGATCTGCAGTATATGCCTGGAACGGTA
 CAAGAACCCCAAGGTCCTGCCCTGTCTGCACACTTTCTGCGAGAGGTGCCTGCAGAACTACATTCCAGCC
 CACAGTTTAAACCCTCTCCTGCCAGTGTGTCTGCAGACCTCCATCCTGCCTGAGAAAAGGGTGGCTGCAC
 TCCAGAACAACCTTTTTATCACAAACCTCATGGATGTGCTGCAGCGAACGCCAGGAGCAACGGCGAGGA
 CCCTTCCATCCTGCAGACGGTACCCTGTGGCTGCAGGAAAGCCTCATATGCCCGAACCCAGATGGA
 AATGTGATGGAATTTACTGCCAGTCTGTGAGACCGCCATGTGTCGGGAGTGCACGGAGGGGGAGCAGC
 CAGAGCACCCACAGTCCCGCTGAAGGACGTGGTGGAGCAGCATAAGGCCTCACTCCAGGTCAGCTGGA
 TGCAGTCAACAAAAGACTCCCAGAAATAGATTCTGCTCTTCAGTTCATCTCAGAAATCATCCATCAGTTA
 ACCAACCAAAAAGGCCAGCATTGTGGACGACATCCACTCCACCTTTGATGAACTGCAGAAGACTTTAAATG
 TTCGAAGAGCGTGTCTCATGGAGCTTGAGGTCAACTATGGCCTCAAACACAAAAGTGCTGCAGTCGCA
 GCTGGATACCCTGCTCCAAGGCCAGGAAAGCATTAAAGAGCTGCAGCAACTTCACAGCGCAAGCCCTCAAC
 CATGGCACGGAGACGGAGGTGCTGCTGGTGAAGAAGCAGATGAGCGAGAAGCTCAACGAAGTGGCGGACC
 AAGACTTCCCCTGCACCCGCGCGAGAAGCATCAGCTGGATTTTATCGTGGAAACTGAGGGATTGAAAAA
 GTCTATCCACAACCTGGGGACCATCCTCACCCTAACCGCGTGCCTCTGAGACGGTGGCCACGGGGCAG
 GGGCTTCGGCAGACCATCATCGGGCAGCCATGTCGTTACTATAACCACCAAGGACAAAAGACGGAGAGC
 TGTGCAAGACAGGCAACGCATACCTCACCGCTGAGCTCAGCACCCCGACGGCAGCGTGGCGGACGGAGA
 GATCCTTGACAACAAGAACGGCACCTACGAGTTCTGTATACTGTGCAGAAGGAGGGGACTTCACCCTG
 TCTCTCAGGCTCTACGACCAACACATCCGAGGAGTCCGTTTAAAGCTCAAGGTATCCGCTCGGGGACG
 TGTCCCCACCACCGAGGGCGTGAAGCGACGAGTCAAGTCCCCAGGGAGCGGGCACGTCAAGCAGAAGGC
 TGTAAAGAGACCGCCAGCATGTACAGCACCGCAAGCGAAAAGAGAACCCCATCGAGGACGACTTGATC
 TTCGAGTGGGTACCAAAGGAAGAAACAAAGGAGAATTTACAACCTGCAGGGTGTGGCTGCATCTACGA
 GTGGAAAGATATTAATTGCAGATAGTAAACAACAGTGTGTGCAGATCTTTTCCAATGACGGACAGTTCAA
 AAGTCGTTTCGGCATCCGAGTCTGATCCCAGGACAGTCCAGCGTCCCACAGGGGTAGCGGTGCACCCC
 AGTGGGGACATCATCATCGAGATTATGACAACAAGTGGGTGAGCATTCTTCCAATGATGGGAAGTTTA
 AGACAAAAATGGATCAGGAAAAGTATGGGGCCCAAAGGAGTTTCTGTGGACCGCAATGGGCACATTAT
 TGTGGTGGACAACAAGGCATGCTGCGTGTTCATCTTTCAGCCCAACGGGAAAATAGTCCACAGGTTTGGT
 AGCCGAGGAAACGGCGACAGGCAGTTTGCAGGTCCCCATTTTGCAGCTGTGAATAGCAGTAAATGAGATCA
 TCATTACAGATTTCCATAATCATTCTGTCAAGGTATTTAATCAGGAAGGAGAATTCATGTTGAAGTTCGG
 CTCAAATGGAGAAGGAAATGGGCAGTTTAAATGCACCAACAGGTGTAGCCGTGGACTCGAATGAAACATC
 ATTGTGGCTGACTGGGGGAACAGCAGGATCCAGGTTTTGATGGGAGTGGATCATTTTTGTCCTATATCA
 ACACATCTGCTGACCCGCTGTATGGCCCCAAGGCCTGGCTCTAACTTCGGATGGCCACGTCGTGGTTGC
 AGACTCCGGAACCACTGCTTCAAGTCTATCGGTACTTACAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001108552

Insert Size: 2286 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:	<ol style="list-style-type: none">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_001108552.1, NP_001102022.1</u>
RefSeq Size:	6918 bp
RefSeq ORF:	2286 bp
Locus ID:	361970
UniProt ID:	<u>D3ZQG6</u>
Cytogenetics:	2q34
Gene Summary:	E3 ubiquitin-protein ligase that mediates the ubiquitination of phosphorylated BCL2L11. Also mediates the UBE2D1-dependent ubiquitination of NEFL (By similarity). Plays a neuroprotective function (By similarity). May play a role in neuronal rapid ischemic tolerance. [UniProtKB/Swiss-Prot Function]