

Product datasheet for MC205970

Trim16 (BC052821) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim16 (BC052821) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim16
Synonyms:	9130006M08Rik; AI482483; EBBP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC052821

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AAGAGGTAATCCGACGCCTTAGTCCTTAGTCCGCAGAGCCTCCACCAGATGGCTGAATTGGATCTGATTG
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CATCTTCTAGTGAGGGTCTCCTGTCTGCTCAGGTGACTGTCACCCGTCATCCAGAATTTCCAACCTAGGGA
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AGAACACTCCAAATCCTGTCTTCCAATTGTTTTGAAATAAACCTGCTTTAAAAATAAAAAAAAAAAAAA AAAG

- Restriction Sites:** RsrII-NotI
- ACCN:** BC052821
- Insert Size:** 1410 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:** [BC052821](#), [AAH52821](#)
- RefSeq Size:** 3644 bp
- RefSeq ORF:** 1410 bp

Locus ID: 94092

Cytogenetics: 11 B2

Gene Summary: E3 ubiquitin ligase that plays an essential role in the organization of autophagic response and ubiquitination upon lysosomal and phagosomal damages. Plays a role in the stress-induced biogenesis and degradation of protein aggregates by regulating the p62-KEAP1-NRF2 signaling and particularly by modulating the ubiquitination levels and thus stability of NRF2. Acts as a scaffold protein and facilitates autophagic degradation of protein aggregates by interacting with p62/SQSTM, ATG16L1 and LC3B/MAP1LC3B. In turn, protects the cell against oxidative stress-induced cell death as a consequence of endomembrane damage.
[UniProtKB/Swiss-Prot Function]