

Product datasheet for **MC205868**

Trim56 (NM_201373) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim56 (NM_201373) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim56
Synonyms:	A130009K11Rik; Gm452; RNF109
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC045615

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>BC045615
CTCTTGCAGGTAGTCAACTGCTGGCGGTAGCGGGATTTCGGGGCTCCCCGGTCTGCTGGGAGAGTCCAG
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GGTCGCATGTTTACGTTTGGTGAGTGTCTGTAAGAGAAACAAAGTGAAGAAAAAACCTTCCCTGGT
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TGCTGGAAGCTCTGAGCAGCATTTCTAGCCTGTAATACTGCCTGGAGCAGTTACACACACCCAAAGAC
TCTGCCATGCCTACATACCTATTGCCAGGACTGTCTGGCACAACCTGGACATCGGTGGTCCAGTCCGCTGC
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GCAGGTCCCCGAGGGCTGTTCCCCGTGCAGCGTGGCTGCCCTGCAGAATGCAGTGGCTTTCTCTGCCAAT
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AGTATGGGGTCAGAGGTGAGGGGTGAGAGAGTGCAGGCACAAGCAGAGGTGGAGGTGTGAGATCAAAATCC
AGATGCAGCATCACACACTCACACACCTGTTATCCAGCACTTGGGAAGCTGAGGCAGGAGGATTA
TATGTTTGGAGCCAGCCTGGGCTATACGCAGAGACTGTTAAAAAAAAAAAAAAAA
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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_201373
- Insert Size:** 2205 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:** [BC045615](#), [AAH45615](#)
- RefSeq Size:** 3624 bp
- RefSeq ORF:** 2205 bp

Locus ID: 384309

UniProt ID: [Q80V11](#)

Cytogenetics: 5 G2

Gene Summary: E3 ubiquitin-protein ligase that plays a key role in innate antiviral immunity. In response to pathogen- and host-derived double-stranded DNA (dsDNA), targets TMEM173/STING to 'Lys-63'-linked ubiquitination, thereby promoting its homodimerization, a step required for the production of type I interferon IFN-beta. Independently of its E3 ubiquitin ligase activity, positive regulator of TLR3 signaling. Potentiates extracellular double stranded RNA (dsRNA)-induced expression of IFNB1 and interferon-stimulated genes ISG15, IFIT1/ISG56, CXCL10, OASL and CCL5/RANTES (By similarity).[UniProtKB/Swiss-Prot Function]