

Product datasheet for **MC219941**

Trim25 (NM_009546) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim25 (NM_009546) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim25
Synonyms:	AA960166; AL022677; EFP; Zfp147
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219941 representing NM_009546
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAGCTGAATCCTCTGGCCGAGGAGCTGTCTGCTCCGTCTGCCTGGAGCTCTTCAAGAACCTG
 TCACTACTCCGTGCGGCCACAATTTCTGCATGTCATGCCTGGATGAGACGTGGGTCTCCAGGGCCCGCC
 GTACCGATGCCCGCAATGTCGCAAAGTGTACCAGGTGCGCCCGCAGCTGCAAAAGAACACGGTAATGTGC
 GCGGTGGTGGAGCAGTTCTGCAAGCCGAGCAGGCGCGGACCCCGGTGGACGACTGGACGCCTCTGCC
 GCTTCTCCGCCTCCAGCGCAGCCACCCAGGTGGCCTGCGACCACTGCCTGACGGAGATCGCAGTGAAGAC
 GTGCCCTGTGTCATGGCCTCTTTCTGCCAGGAGCACTTGAGGCCTCACTTCGACAGTCCGGCCTCCAG
 GATCACCCCTACAGTCGCCATTCGTGACCTTCTGCGCCGCAATGTACCCAGCACAACCGCCTTCGGG
 AATTGTTTTGTCGGAGCATGGCGAGTGCATCTGCCATATCTGCTTGGTAGAGCACAAGACCTGCTCCCC
 TACGACCTAAGTCAAGCCAGCGCCGACCTGGAGTACAACTGAGGAATAAACTCACTATCATGCACAGC
 CACATCAATGGGGCAACCAAGCATTGGAGGATGTGAGATCCAAGCAACAGTGTGTGAGGATTCTATGA
 AGAGGAAGATGGAACAGCTGAGACAGGAGTATATGAAATGAAGGCTGTCATCGACGCAGCAGAGACCAG
 CTCCTTGCGAAGTTAAAGGAGGAGGAGAAGAGAGTCTACGAAAATTCGACACCATCTACCAGGTTCTC
 GTCAAGAAGAAGAGTGAAGTGCAGAACTGAAGGCAGAGGTTGAGCTCATTATGGACAAAGGGGATGAGT
 TTGAGTTTCTGGAGAAAGCTGCAAAATGCAAGGAGAGTCAACAAAACCAGTCTACATCCCTAAGATAGA
 TCTGGATCATGATTTGATAATGGGAATCTACCAAGGGCGCGGACCTCAAGAGTGAAGTGAAGCACTCC
 ATTAAGAAGCTACAGAAGAAGTCTGAGGAGCACAATGGCTCAGGTAACAAGGGAGACCAGACACAGTCCA
 CTTTTAAACCCGTACAACCTTCAAGAAGACCATTCAAGAAAAGAAGACCAAGAAAACCCCTGTTGCTCC
 CGGCCCTCCCTCCCACTTCTCACCTAACAGTTGCCACCTTTGGAGCTCCTGGCCAATCACTGGATTCA
 AAAGCAACTTCCCTGATGCCGCACCAAGCCAGTGTGTCACAGCCAGACTCTGTAGGAGTCAAGGCTA
 AGGTGCTAGAAAACCTTCTTAACCAAGTCCAGAACGGAGCTTCTGGAGTATTTCTGAAAAGTCACTTTCGA
 CTACAATACCGCCACAACAAAGTGTCTGTCAAACAAGTACACCACCGCCTCTGTGTCCGATGGGCTC
 CAGCACTACCGGTCCCATCCCCAGAGGTTACCTACTGCTCTCAGGTCTGGGGCTGCACTGCTACAAGA
 ACGGCATCACTACTGGAGGTGGAACACAGAAGAACAACCTTCTGCGGCGTAGGCATCTGCTACGGCAG
 CATGGAACGGCAGGGCCCGAGAGCCGGCTGGGCCGAACCCCAACTCATGGTGTGTGGAGTGGTTCAAT
 AACAAGATCTCTGCTGGCACAACAACGTGGAGAAGACTTGCCTCCACCAAGGCCACTCGAGTCGGCG
 TGCTGCTCAACTGTGACCACGGCTTCGTATTTCTTTGCGGTACCCGAAAAGGTGCACCTGATGTACAA
 GTTCAAGGTGGACTTCACCGAAGCTCTGTACCCAGCCTTCTGGGTGTTCTCGGCCGTACCACCTCTCT
 ATCTGCTCCAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_009546
- Insert Size:** 1905 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: [NM_009546.2](#), [NP_033572.2](#)

RefSeq Size: 5596 bp

RefSeq ORF: 1905 bp

Locus ID: 217069

UniProt ID: [Q61510](#)

Cytogenetics: 11 C

Gene Summary: Functions as a ubiquitin E3 ligase and as an ISG15 E3 ligase. Involved in innate immune defense against viruses by mediating ubiquitination of DDX58 and IFIH1. Mediates 'Lys-63'-linked polyubiquitination of the DDX58 N-terminal CARD-like region which is crucial for triggering the cytosolic signal transduction that leads to the production of interferons in response to viral infection. Mediates 'Lys-63'-linked polyubiquitination of IFIH1. Promotes ISGylation of 14-3-3 sigma (SFN), an adapter protein implicated in the regulation of a large spectrum signaling pathway. Mediates estrogen action in various target organs. Mediates the ubiquitination and subsequent proteasomal degradation of ZFH3.[UniProtKB/Swiss-Prot Function]