

Product datasheet for **MC218581**

Trim25 (BC006908) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim25 (BC006908) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim25
Synonyms:	AA960166; AL022677; EFP; Zfp147
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC006908
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGCTGAATCCTCTGGCCGAGGAGCTGTCTGCTCCGTGCTGCTGGAGCTCTTCAAGAACCTG
 TACCACCCCGTGCGGCCACAATTCTGCATGTCATGCCTGGATGAGACGTGGGTCTCCAGGGCCCGCC
 GTACCGGTGCCCGCAGTGTGCGAAAGTGTACCAGGTGCGCCCGCAGCTGCAAAAGAACACGGTAATGTGC
 GCGGTGGTGGAGCAGTTCTGACGGCTGAGCAGGCGCGGACCCCGGTGAACGACTGGACGCCCTGCC
 GCTCCTCCGTTCCAGCGCAGCCACCCAGGTGGCCTGCGACCACTGCCTGACGGAGATCGCAGTGAAGAC
 GTGCCCTGTGTCATGGCTCTTTCTGCCAGGAGCACTTGAGGCCTCACTTCGACAGTCCGGCTTCCAG
 GATCACCCCTGCAGTCGCCATCCGTGACCTTCTGCGCCGAAATGTACCCAGCACAACCGCTTCGGG
 AATTGTTTTGTCGGAGCATGGCGAGTGCATCTGCCATATCTGCTTGGTAGAGCACAAGACTGCTCCCC
 TACGACCTAAGTCAAGCCAGCGCCGACCTGGAGTACAACTGAGGAATAAACTCACTATCATGCACAGC
 CACATCAATGGGGCAACCAAGCATTGGAGGATGTGAGATCCAAGCAACAGTGTGTGAGGATTCTATGA
 AGAGGAAGATGGAACAGCTGAGACAGGAGTATATGAAATGAAGGCTGTCATCGACGCAGCAGAGACCAG
 CTCCTTGGCAGGTTGAAGGAGGAGGAGAAGAGAGTCTACGAAAATTCGACACCATCTACCAGGTTCTC
 GTCAAGAAGAAGAGTGAAGTGCAGAACTGAAGGCAGAGGTTGAGCTCATTATGGACAAAGGGGATGAGT
 TTGAGTTTCTGGAGAAAGCTGCAAAATGCAAGGAGAGTCAACAAAACCAGTCTACATCCCTAAGATAGA
 TCTGGATCATGATTTGATAATGGGAATCTACCAAGGGCGCGGACCTCAAGAGTGAAGTGAAGCACTCC
 ATTAAGAAGCTACAGAAGAAGTCTGAGGAGCACAATGGCTCAGGTAACAAGGGAGACCAGACACAGTCCA
 CTTTTAAACCCGTACAACCTTGAAGAAGACCACTTCTGTTGCTCCCGGCTCTCCCTCCCCTTCTCACC
 TAACAAGTTGCCACCTTTGGAGCTCCTGGCCAATCACTGGATTCAAAAGCAACTTCCCCTGATGCCGCA
 CCCAAAGCCAGTCTGCACAGCCAGACTCTGTAGGAGTCAAGGCTAAGGTGCTAGAAAATCTTAAACCA
 AGTCCAGAACGGAGCTTCTGGAGTATTTCTGTAAGTCACTCTCGACTACAATACCGCCACAACAAAGT
 GTCTCTGTCAAACAAGTACACCACCGCCTCTGTGTCTGATGGGCTCCAGCACTACCGGTCCCATCCCAG
 AGGTTACCTACTGCTCTCAGGTCTGGGGTGCCTGCTACAAGAACGGCATTCACTACTGGGAGGTGG
 AACTACAGAAGAACAACCTTCTGCGGCTAGGCATCTGCTACGGCAGCATGGAACGGCAGGGCCCGGAGAG
 CCGGCTGGGCCGCAACCCCAACTCATGGTGTGTGGAGTGGTTCAATAACAAGATCTCCGCTGGCACAAC
 AACGTGGAGAAGACTCTGCCCTCCCAAGGCCACTCGAGTCGGGCTGCTCAACTGTGACCACGGCT
 TCGTCATTTTCTTTCGGGTACCGAAAAGGTGCACCTGATGTACAAGTTCAGGTGGACTCACCGAAGC
 TCTGTACCCAGCCTTCTGGGTGTCTCGGCCGGTACCACCTCTCTATCTGCTCAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC006908
Insert Size: 1881 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: [BC006908](#), [AAH06908](#)

RefSeq Size: 2602 bp

RefSeq ORF: 1880 bp

Locus ID: 217069

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]