

Product datasheet for **MR209551**

Trim25 (BC006908) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim25 (BC006908) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR209551 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGCTGAATCCTCTGGCCGAGGAGCTGTCTGCTCCGTCTGCCTGGAGCTCTTCAAGAACCTG
 TACCACCCCGTGCGCCACAACCTCTGCATGTCATGCCTGGATGAGACGTGGGTCGTCCAGGGCCCGCC
 GTACCGGTGCCCGCAGTGTGCGAAAGTGTACCAGGTGCGCCCGCAGCTGCAAAAGAACACGGTAATGTGC
 GCGGTGGTGGAGCAGTTCCTGCAGGCTGAGCAGGCGCGGACCCCGGTGAACGACTGGACGCCCTGCC
 GCTCCTCCGCTTCCAGCGCAGCCACCCAGGTGGCCTGCGACCACTGCCTGACGGAGATCGCAGTGAAGAC
 GTGCTCGTGTGCATGGCTCTTTCTGCCAGGAGCACTTGAGGCCTCACTTCGACAGTCCGGCTTCCAG
 GATCACCCCTGCAGTCGCCATCCGTGACCTTCTGCGCCGAAATGTACCCAGCACAACCGCTTCGGG
 AATTGTTTTGTCGGAGCATGGCGAGTGCATCTGCCATATCTGCTTGGTAGAGCACAAGACTGCTCCCC
 TACGACCTAAGTCAAGCCAGCGCCGACCTGGAGTACAACTGAGGAATAAACTCACTATCATGCACAGC
 CACATCAATGGGGCAACCAAGCATTGGAGGATGTGAGATCCAAGCAACAGTGTGTGCAGGATTCTATGA
 AGAGGAAGATGGAACAGCTGAGACAGGAGTATATGAAATGAAGGCTGTCATCGACGCAGCAGAGACCAG
 CTCCTTGGCAGGTTGAAGGAGGAGGAGAAGAGAGTCTACGAAAATTCGACACCATCTACCAGGTTCTC
 GTCAAGAAGAAGAGTGAAGTGCAGAACTGAAGGCAGAGGTTGAGCTCATTATGGACAAAGGGGATGAGT
 TTGAGTTTCTGGAGAAAGCTGCAAAATGCAAGGAGAGTCAACAAAACAGTCTACATCCCTAAGATAGA
 TCTGGATCATGATTTGATAATGGGAATCTACCAAGGGCGCGGACCTCAAGAGTGAAGTGAAGCACTCC
 ATTAAGAAGCTACAGAAGAAGTCTGAGGAGCACAATGGCTCAGGTAACAAGGGAGACCAGACACAGTCCA
 CTTTTAAACCCGTACAACCTTCAAGAAGACCACTTCTGTTGCTCCCGGCTCTCCCTCCCCTTCTCAC
 TAACAAGTTGCCACCTTGGAGCTCCTGGCCAACTCACTGGATTCAAAGCAACTTCCCCTGATGCCGCA
 CCCAAAGCCAGTCTGCACAGCCAGACTCTGTAGGAGTCAAGGCTAAGGTGCTAGAAAATCTTAAACCA
 AGTCCAGAACGGAGCTTCTGGAGTATTTCTGAAAGTCACTCTCGACTACAATACCGCCACAACAAAGT
 GTCTCTGTCAAACAAGTACACCACCGCCTCTGTGTCTGATGGGCTCCAGCACTACCGGTCCCATCCCAG
 AGGTTACCTACTGCTCTCAGGTCCTGGGGCTGCACTGCTACAAGAACGGCATTCACTACTGGGAGGTGG
 AACTACAGAAGAACAACCTTCTGCGGCTAGGCATCTGCTACGGCAGCATGGAACGGCAGGGCCCCGAGAG
 CCGGCTGGGCCGCAACCCCAACTCATGGTGTGTGGAGTGGTTCAATAACAAGATCTCCGCTGGCACAAC
 AACGTGGAGAAGACTCTGCCCTCCCAAGGCCACTCGAGTCGGCGTGTCTCAACTGTGACCACGGCT
 TCGTCATTTCTTTCGGGTACCGAAAAGGTGCACCTGATGTACAAGTCAAGGTGGACTTACCGAAGC
 TCTGTACCCAGCCTTCTGGGTGTTCTCGGCCGGTACCACCTCTCTATCTGCTCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

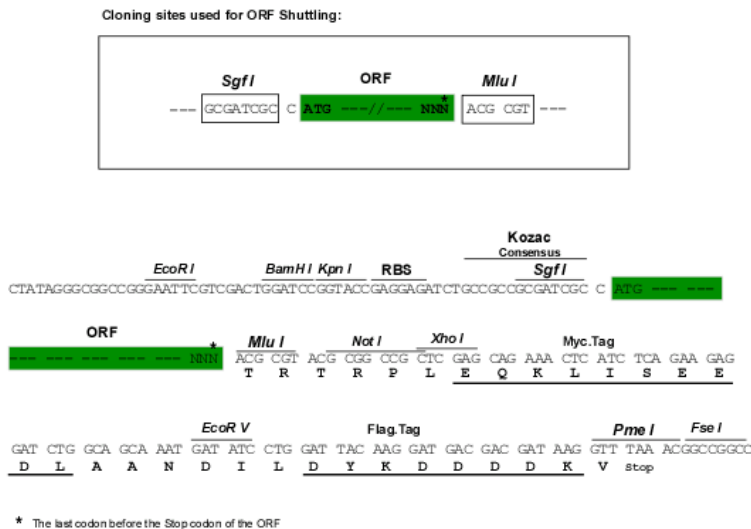
>MR209551 protein sequence
 Red=Cloning site Green=Tags(s)

MAELNPLAEELSCSVCLELFKEPVTTPCGHNFCMSCLDETWVVQGGPPYRCPQCRKVVYQVRPQLQKNTVMC
 AVVEQFLQAEQARTPVNDWTPPARSSASSAATQVACDHCLTEIAVKTCLVCMASFQEHLRPHFDSPAFAQ
 DHPLQSPIRDLRLRRKCTQHNRLRELFCEHGEICICHICLVEHKTCSPTTLSQASADLEYKLRNKLTIMHS
 HINGATKALEDVRSKQQCVQDSMKRKMQLRQYEMEMKAVIDAAETSSLRRLKEEEKRVYGFDTIYQVL
 VKKKSEMQLKAEVELIMDKGDEFEFLEKAAKLQGESTKPVYIPKIDLDHDLIMGIYQGAADLKSELKHS
 IKKLQKKEEHNGSGNKGDQTSSTFKPVQPSKKTIPVAPGSPSHFSPNKLPTFGAPGQSLDSKATSPDAA
 PKASAAQPDVSGVKAKVLENFLTKSRTELLEYFVKVIFDYNTAHNKVSLSNKYTTASVSDGLQHYRSHQP
 RFTYCSQVGLHCYKNGIHYWEVELQKNNFCGVIICYGSMERQGPESRLGRNPNSWCVEWFNNKISAWHN
 NVEKTLPTSKATRVGLLNCDHGFVIFFAVTEKVLHMYKFKVDFTEALYPAWVFSAGTTLSICSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC006908

ORF Size: 1878 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

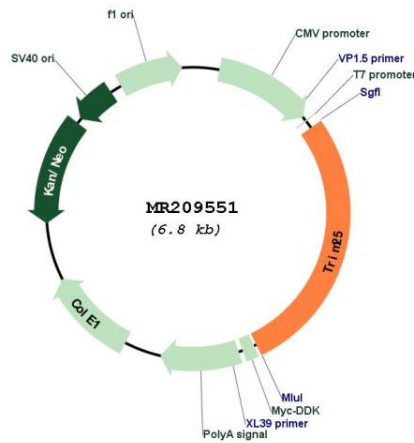
Locus ID: 217069

Cytogenetics: 11 C

MW: 70.7 kDa

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]

Product images:



Circular map for MR209551