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Product datasheet for MC224046

Trim66 (NM_181853) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim66 (NM_181853) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim66
Synonyms:	Kiaa0298-hp; Tif1d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC224046 representing NM_181853
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGGAACTGCTCTGAGTGCAAGGAGAAGCGGGCAGCACACATCCTCTGCACATACTGCAACCGCT
GGCTGTGCAGCTCCTGCACAGAGGAGCACCGGCATGTCCCAGCCCCGGGGGGCCCACTCTTTGCACGGGC
ACAGAAGGGATCCTCAGGGGTGAATGGTGGCTCTGGGGACTTTGCCTTGTACTGCCCTCTGCACACACAG
GAAGTGCTCAAGCTTTTCTGCGAGACGTGCGATGTACTCACCTGCCACAGCTGCCTGATGGTGGAGCACA
AAGAGCACAGATGCAGGCACGTGGAAGAAGTTCTACAAAACCAGAGGATGCTCCTGGAGAGTGTGACTTC
CCAGGTGGCACATAAGAAATCCAGCCTACAGACATCTGCAAAGCAAATCGAGGACAGAATTTTTGAAGTG
AAGCATCAGCACCGGAAGGTGGAGAACCAGATTAAAATGGCCAAGATGGTCCTCATGAACGAGTTGAACA
AGCAAGCCAACGGGCTCATAGAGGAGCTTGAGGGCATCACTAATGAGAGAAAGCGAAAGCTGGAGCAGCA
GCTGCAGAGCATCATGGTTCTCAACCGGCAGTTTGAACATGTGCAGAATTTCATCAACTGGGCTGTCTGC
AGCAAAAGCAGCGTCCCTTTCCTTTTCAGCAAAGAGCTGATTGTGTTTCAGATGCAGCGGTTGCTGGAGA
CGAGATGTAACACAGATCCTGGCTCTCCTTGGAGTATCAGATTCACCTGGGAGCCCAACTTCTGGACCAA
GCAGCTGGCTTCCCTTGGCTGCATAACCACTGAAGGTGGACAGCTGACCCGGGCAGATGCTGCAGCTGCC
TCTTATGGGAGTTTACAGGGGCAGCCATCTTTTTATCAGAGCCACCAGGCCCCCATGGCTCAGCAGGAGG
CACTCAGCCACCCCTCACACAAGTTCCAGTCTCCAGCACTGTGTTCCTCGTCTGTCTGCTGCTCCCACTG
CTCTCCAGTCTCGCCTTCCCTCAAAGGTCAAGTCCCTCCACCCAGCATCCACCCGGCTCACAGTTTCCGA
CAGCCTTCTGAAATGGTGCCCCACCAGCTGGGGTCACTGCAGTGTTCTACCCTGCTGCCCAGGGAGAAAG
AGCTGGCCTGCAGTCCTCATCCACCCAAACTGATGCAGCCCTGGTTGGAACCACAACCTCCTGCAGAACA
GGAGAGTACATCCCAGCGGCCAGGACCGCAACTGGTTTCCCAGCCTGTGTGCATCGTCCCTCCGCAAGAT
GTGCAGCCAGGAGCCCATGCCCAGCCCACCATACAGACACCCTCCATCCAAGTTCAGCTGGGCCACCATC
AGAAGCTAAAGCTCAGCCACTTTCAGCAGCAGCCGCAGCAGCAGCCACCCCCACCACCGCCACCTCCCCC
ACCCCCCCAGCATGCACCTCCACCCTTGCCTCCATCCCAGCACCTGGCTTCCAGTCAGCACGAGAGCCCT
CCTGGGCCTGCCTGTTCGCAGAATGTGGACATTATGCACCACAAGTTTGAGCTGGAGGAGATGCAGAAGG

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ACTTGGAGCTTCTCCTGCAGGCCCAGCAGCCTAGCCTGCAGTTGAGTCAGACCAAGTCTCCTCAGCATCT
TCAGCAAACCATCGTGGGGCAGATCAACTACATCGTGAGGCAGCCAGCACCCGTGCAGTCCCAGAGCCAG
GAGGAGACCCTGCAGGTTACAGAGGAGCCACCAGCACCTGAGGGCCCAAAGCCAGCTCTACCTGTTGACA
AGAACACTGCTGCTCCCTTGCCCCAGACATCTGGGGAGGAAACGCCTCACAGTGTCCCTCCAGTGGATGG
CACCTCCCAGCACTCTTCTCCAAATGTGGTGAGAAAGCACGCCACCTCAGTGAGCATCATGGGCTTTTCC
AACACTGTGGAGATGGAGTTGTCATCTACCAGGCTGGCGAGGACCATAGAGCCACAGATACACAGGGTGA
GCAGCCTGACAGCTGCCCCCACCCACACAATTCCGAGCTTGCTGAGTGGCCCACCACAAACTGTGTCCAG
CCTGATGAGTGTTTCAAACCATGCCATGCCAAGCCTGACAGCCAGTCACCTGCAGCCCGTGCCAAACCTT
GTGCGTGGCACATTCCAGTCCACGTCGAACCTGAGGGGTGATTCCTCTCAAGCCATCACAGGCCTGGCAA
GTAATCACTCACAAGCTGGGCCCAGCCTAATGTCTGGGCACACCCAGGCTGCGCCGAGTCTGGCCACTTG
TCCTCTGCAGGGAATGCCACCGGTTTCTGATGTGCATGTGGAGCCGAGATCCGTATCCAGTCCTGGGTCT
GGCCCAGCTGCAGAAAGCCTGGGTACCAGGGATGGGGCTGAGTCCTCCCTGGGGAATGCCTTGTGTAAGA
TGGAAAGTGAGGATTGTACCCGTTTCTCAGACTCAGTAGGACAAGGCCCTACAGCCTCCAGTCTGGATGG
TCCCAAGGATTTGGCTATTCCCTCAGAACTGGAGGAACCAATTAACCTCTCTGTGAAAAAACCTTTCCTG
GCACCAGTGATCAACACATCCACTGCTCTGCAACAGTACCGGAATCCAAAAGAATATGAGAATTTTGAAC
AAGGAGCCCTAGAGCTGGATACAAAGGAGAATTCAGACATCAGAGCTATCAGTAGTGAGCCCAAGATCCC
CTACGTGCGACTGGAGCGGCTCAAGATCTGTGCTGCCTCATCAGGAGAGATGCCTGTGTTTAAGCTGAAG
CCCCAGAAAAATAGCCAGGACGGAAACTTCCTCCTGGTGATTGAGTGTGGCACTGAGTCCTCCAGCATGT
CCATTAAGGTCAGCCAGAACAGCCTGCCTGATGCCAGCCAGGGCCCAGGTCTTGGGGGAAGAAAGGTCAC
TGTCACATCTCTGACTGGGCAGCAGCCACAAGAGGTGGAGAGCACATCTGAGGAACACAGACTCATCCCC
CGAGCTCCAGGAGCCAAGAAGAACACCCCGGCCCCCATAGAGAATGAGGACTTCTGTGCGGTGTGCATCA
ACGGTGGGGAGCTGCTATGCTGTGACCGCTGCCCCAAAGTGTATCACCTTTCCTGCCACGTGCCAGCCTT
GCTCAGCTTCCCAGGGGGAGAATGGGTGTGCACCCTGTGCCGCAGCCTGACGCAGCCTGAGATGGAGTAC
GACTGTGAGAACGCGCGCTACGGTCACCCTGGAGTGCGGGTACTTCCCGGCCTGAGCATGTATGACCAGA
AGAAGTGTGAGAAGCTGGTCCTGTCCCTGTGCTGCAACAGCCTCAGCCTGCCCTTCCATGAACCAGTCAG
CCCTCTGGCCAGGCATTATTACCAGATTATCAAGAGGCCCATGGACCTGTCAATCATCCGGAGGAAACTG
CAAAAGAAGGACCCAGCTCATTACACTACTCCAGAGGAAGTGGTGTCAGATGTACGCCTCATGTTCTGGA
ACTGTGCTAAGTTCAATTATCCTGACTCGGAGGTTGCAGAGGCTGGCCGCTGTCTGGAAGTGTTCTTTGA
AGGCTGGCTAAAGGAGATCTACCCAGACAAATGCTTTGCCCAGCCCCAGCAAGAGGATTCAGACTCTGAG
GACGTATCTGGCGAGAGTGGCTGTTCCACTCCTCAGGGCTTCCCATGGCCTCCCTACATGCAGGAAGGCA
TCCAGCCCAAGAGGCGACGGCGGCATATGGAGAATGAGAAGACAAAGAGAGTGTCGTTTCGTCTGGCCAA
CAGCATCTCGCAGGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_181853

Insert Size: 3729 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_181853.4, NP_862901.3
RefSeq Size:	9129 bp
RefSeq ORF:	3729 bp
Locus ID:	330627
UniProt ID:	Q924W6
Cytogenetics:	7 57.21 cM
Gene Summary:	May function as transcription repressor; The repressive effects are mediated, at least in part, by recruitment of deacetylase activity. May play a role as negative regulator of postmeiotic genes acting through CBX3 complex formation and centromere association.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and lacks a portion of the 5' coding region, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (2) with a shorter N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.