

Product datasheet for **MC224880**

Zc3h13 (NM_026083) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h13 (NM_026083) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zc3h13
Synonyms:	2600010B19Rik; 3110050K21Rik; 4930570G11Rik; C87618
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224880 representing NM_026083 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAAAATTAGGAGAAAGGTCACAGTGAAAAACCAAGACCATATCTGAGAGTACATCCCGAAGAC
CTAGCGTATTTGAGAGGCTTGGCCCCAGCACTGGAAGCACAACAGAGACACAGTGTCTGTAAGTGGCTGAA
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AACCACGAGACAGCCGGACCGGAGAGACTAGAGACCGAGGAACTTAGAGACTCCAGAGACATGCC
GGACTCCAGAGAGATGAGGGATTATAGCAGAGATGCCAAGGAGAGCCGGATCCAGAGACTCCCGTCA



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GCTCGGGATGTCCATGACTACAGGGACCGTGAAGCTCGGGATGCTCATGCTCGAGATGTTTCGAGATGCTA
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ACAAACTCCGATGGTAGACAATGAGCTGCTTCGGCTAAGTCTTCGGTTATTTAAGAAGAAGGCCACCT

GCCATGCCCTGGACAGGAAAAGACTGAAGATGGCAAATTAGGACCGTGCAATCCAGCAGGAGCTGTG
TGTGTCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja1807_e11.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_026083
Insert Size:	5193 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:	<ol style="list-style-type: none">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:	BC138264 , AAI38265
RefSeq Size:	5565 bp
RefSeq ORF:	5190 bp
Locus ID:	67302
UniProt ID:	E9Q784
Cytogenetics:	14 D3
Gene Summary:	Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing (PubMed:29535189, PubMed:29547716). Acts as a key regulator of m6A methylation by promoting m6A methylation of mRNAs at the 3' UTR (PubMed:29547716). Controls embryonic stem cells (ESCs) pluripotency via its role in m6A methylation (PubMed:29547716). In the WMM complex, anchors component of the MACOM subcomplex in the nucleus (PubMed:29547716). Also required for bridging WTAP to the RNA-binding component RBM15 (RBM15 or RBM15B) (PubMed:29535189).[UniProtKB/Swiss-Prot Function]