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Product datasheet for MC210212

Wtap (NM_001113533) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wtap (NM_001113533) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wtap
Synonyms:	2810408K05Rik; 9430038B09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC210212 representing NM_001113533
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCAACGAAGAACCTCTTCCTAAAAAGGTCCGACTGAGTGAAACAGACTTCAAAGTTATGGCACGGG
ATGAGTTAATTCTAAGATGGAAACAATATGAAGCATATGTTCAAGCTTTGGAGGGAAAGTACACAGATCT
TAATTCAAACGATGTGACTGGTTTAAGGGAATCTGAAGAAAAACTAAAGCAGCAACAGCAGGAGTCTGCA
CGCAGGGAGAACATTCTTGTCATGCGGCTAGCAACCAAAGAGCAGGAGATGCAAGAGTGCACCACTCAAA
TCCAGTACCTCAAGCAAGTTCAGCAGCCGAGTGTGGCCCAACTGAGATCAACAATGGTAGACCCAGCAAT
CAACTTGTTTTTCCTAAAAATGAAAGGTGAACTGGAACAGACTAAAGACAAACTGGAACAAGCCCAAAAT
GAACTGAGTGCCTGGAAGTTTACGCCTGATAGCCAAACAGGCAAAAAGCTAATGGCGAAGTGTCGAATGC
TTATCCAGGAGAACCAAGAGCTTGGAAGGCAGCTGTCCCAGGGCCGTATTGCACAGCTTGAAGCAGAATT
GGCTTTACAGAAGAAATATAGTGAGGAGCTTAAAAGCAGTCAGGATGAACTGAATGACTTCATCATTCAA
CTTGATGAAGAAGTAGAGGGTATGCAGAGCACCATTCTAGTTCTTCAGCAACAATTGAAGGAGACACGAC
AGCAGTTGGCACAGTACCAGCAGCAGCAGTCTCAAGCTTCAGCTCCAAGTACCAGCAGGACTACATCTTC
TGAACCTGTAGATCAGGCAGAGGTCACAAGCAAAGACTGCAGTCGTCTGGCAAATGGACCAAGTAATGGC
AGCTCCTCCCGCCAGAGGACGTCTGGGTCTGGATTTCACAGGGAGGGGAGCACACCTGAGGATGACTTTC
CTTCTTCTTCAGGGAATGGTAATAAGGCCTCCAACAGCTCAGAGGAGAGAACTGGCAGAGGAGGTAGTAG
TTACATAAACCCACTCAGTGCGGGGTATGAAAGTGTAGACTCTCCCACGGGCAGTGAAAACTCTCTCACA
CATCACTCAAATGACACAGACTCCAGTCATGACCCTCAAGAGGAGAAAGCAGTGAGTGGGAAAGGTAATC
GAACTGTGGGTTCCCGCCATGTTCAGAATGGCTTGGACTCAAATGTAAATGTACAGGGTGCAGTTTTGTA
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001113533
Insert Size:	1191 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_001113533.1, NP_001107005.1
RefSeq Size:	2051 bp
RefSeq ORF:	1191 bp
Locus ID:	60532
Cytogenetics:	17 A1
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). Required for accumulation of METTL3 and METTL14 to nuclear speckle (By similarity). Acts as a mRNA splicing regulator (By similarity). Regulates G2/M cell-cycle transition by binding to the 3' UTR of CCNA2, which enhances its stability (By similarity). Impairs WT1 DNA-binding ability and inhibits expression of WT1 target genes (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (a). 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 transcript alignments.

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