

## Product datasheet for MR216877

### Wtap (NM\_001113533) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wtap (NM_001113533) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wtap
Synonyms:	2810408K05Rik; 9430038B09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216877 representing NM_001113533 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCAACGAAGAACCTCTTCTAAAAAGGTCCGACTGAGTGAAACAGACTTCAAAGTTATGGCACGGG  
ATGAGTTAATTCTAAGATGGAACAATATGAAGCATATGTTCAAGCTTTGGAGGGAAAGTACACAGATCT  
TAATTCAAACGATGTGACTGGTTAAGGGAATCTGAAGAAAACTAAAGCAGCAACAGCAGGAGTCTGCA  
CGCAGGGAGAACATTCTGTGCATGCGGCTAGCAACCAAAGAGCAGGAGATGCAAGAGTGCACCCTCAA  
TCCAGTACCTCAAGCAAGTTCAGCAGCCGAGTGTGGCCCAACTGAGATCAACAATGGTAGACCCAGCAAT  
CAACTGTTTTCTAAAAATGAAAGGTGAAGTGAACAGACTAAAGACAACTGGAAACAAGCCAAAAT  
GAACTGAGTGCCTGGAAGTTTACGCCTGATAGCCAAACAGGCAAAAAGCTAATGGCGAAGTGTGCAATGC  
TTATCCAGGAGAACCAAGAGCTTGAAGGCAGCTGTCCAGGGCCGTATTGCACAGCTTGAAGCAGAATT  
GGCTTTACAGAAGAAATATAGTGAGGAGCTTAAAAGCAGTCAGGATGAACTGAACTGATTCATCATTCAA  
CTTGATGAAGAAGTAGAGGGTATGCAGAGCACCATTCTAGTTCTTCAGCAACAATTGAAGGAGACACGAC  
AGCAGTTGGCACAGTACCAGCAGCAGCAGTCTCAAGCTTCAGTCCAAGTACCAGCAGGACTACATCTTC  
TGAACCTGTAGATCAGGCAGAGGTCACAAGCAAAGACTGCAGTCGTCTGGCAAATGGACCAAGTAATGGC  
AGCTCTCCCGCCAGAGGACGTCTGGTCTGGATTTACAGGGAGGGGAGCACACCTGAGGATGACTTTC  
CTTCTTTCAGGGAATGGTAATAAGGCCTCCAACAGCTCAGAGGAGAGAAGTGGCAGAGGAGGTAGTAG  
TTACATAAAACCCACTCAGTGCGGGTATGAAAAGTGTAGACTCTCCACGGGCAGTGAAAACCTCTCTCACA  
CATCACTCAAATGACACAGACTCCAGTCATGACCCTCAAGAGGAGAAAGCAGTGAAGTGGGAAAGGTAATC  
GAACTGTGGGTTCCCGCCATGTTGAGAATGGCTTGGACTCAAATGTAAATGTACAGGGTGCAGTTTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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

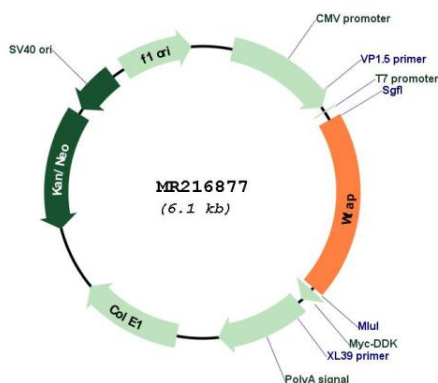
**Locus ID:** 60532

**Cytogenetics:** 17 A1

**MW:** 44.2 kDa

**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]

**Product images:**



Circular map for MR216877