

Product datasheet for **MC216310**

Wrap73 (NM_021499) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wrap73 (NM_021499) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wrap73
Synonyms:	2610044M17Rik; 5330425N03Rik; Dd57; Wdr8; Wrap73
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216310 representing NM_021499
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACTTCTCGGAGTCATTCAAGCTCTCGGGCTGCTCTGCAGTTCTCCCCGGACGGCAAGTACCTGG
 CTCCTGTGTCCAGTACCGATTAGTGATCCGGGATGTGACGACCCTTCAGATCCTTCAGTTGTACACATG
 CCTGGACCAGATCCAGCACATAGAGTGGTCTGCAGACTCCCTTTCATCCTGTGTGCCATGTACAGGCGG
 GGGCTTGTGCAGGTCTGGTCACTCGAGCAGCCAGAATGGCACTGCAAGATCGACGAGGGCTCTCGGGGC
 TGGTCGTTCTGCTGGAGTCCAGATGGCCGCCACATCCTGAACACAACCGAATTCATCTGCGAATCAC
 GGTCTGGTCCCTGTGCACCAAATCTGTATCTTACATCAAGTATCCCAAGGCTGCCAGCAGGGACTAACT
 TTCACCAGGGATGGCCGCTACCTGGCCTTAGCAGAGAGGGGACTGCAGGGACTATGTCAGCATCTTTG
 TGTGCAGTACTGGCAGCTCCTCCGGCACTTTGACACAGACACCCAGGATCTCACAGGGATCGAGTGGC
 CCCGAATGGCTGTACTGGCCGCTGGGACACCTGCTTGGAGTACAAGTTCTGTGTACTCCTTGGAC
 GGCCGCTGCTGTGAGCATACTGTGCCTATGAATGGTCCCTGGGCATCAAGTCTGTGGCTTGGAGCCCCA
 GCAGTCAGTTCCTGGCCATTGGGAGCTACGATGAAAAGGTGCGCCTCCTAAATCACGTGACCTGGAAGAT
 GATAACTGAGTTTGGCATCCTGCAACCATTAACAACCCCAAGACAGTTGTGTATAAGGAAGCTGAGAAG
 AGCCCACTGCTGGGGTTGGGCCACCTGTCTTCCCGCCGCCCCGAGCAATGGCTGGTGGCCCTCTCTACCT
 CAGAGAGCAAATATGAGATCGCTCGGGACCAAGTTTCTTGCAGACTCTGAAGCCAGTAGCTGACAGAGC
 GAACCCGAGGATGGGTGTAGGGATGCTGGCTTTCAGCTCTGACAGCTACTTCTGGCATCAAGAAATGAC
 AATGTCCCAATGCTGTCTGGATCTGGGACATTCAAAAGCTGAAGCTGTTTGTGGTACTAGAGCATATGT
 CTCCAGTGGCTCATTTCAGTGGGACCCACAGCAGCCAGGCTGGCCATCTGCACAGGAGGAAGCAAGGT
 GTACCTGTGGTCCCCAGCAGGCTGCGTGTCCGGTGCAGGTGCCTGGGGAAGGTGACTTCCAGTGTCTGGA
 CTGTGCTGGCACTTAAGTGGGGATTCTTGGCCCTCCTTAGTAAGGACCACTTCTGTCTCTGCTTCTGG
 AGACCAAGGAGAGGGTTGGCACAGCCTACGAACAGCGGGACGGCATGCCTAGGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_021499
- Insert Size:** 1389 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_021499.2](#), [NP_067474.2](#)

RefSeq Size: 1600 bp

RefSeq ORF: 1389 bp

Locus ID: 59002

UniProt ID: [Q9JM98](#)

Cytogenetics: 4 E2

Gene Summary: The SSX2IP:WRAP73 complex is proposed to act as regulator of spindle anchoring at the mitotic centrosome. Required for the centrosomal localization of SSX2IP and normal mitotic bipolar spindle morphology. Required for the targeting of centriole satellite proteins to centrosomes such as of PCM1, SSX2IP, CEP290 and PIBF1/CEP90. Required for ciliogenesis and involved in the removal of the CEP97:CCP110 complex from the mother centriole. Involved in ciliary vesicle formation at the mother centriole and required for the docking of vesicles to the basal body during ciliogenesis; may promote docking of RAB8A- and ARL13B-containing vesicles (By similarity).[UniProtKB/Swiss-Prot Function]