

Product datasheet for **MC216332**

Whrn (NM_001008795) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_001008795) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Whrn
Synonyms:	1110035G07Rik; AW122018; AW742671; bM340H1.8; C430046P22Rik; mKIAA1526; whirlinNT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216332 representing NM_001008795
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTACTACCTGGCCAGTACCGTGGTGGCACCATCTCTGTGGAGGCCATGGTCATGGCACTGTTTG
 AGTTGCTCAACACACACGCCAAGTTCTCACTCCTGTCTGAGGTGAGAAGCATCATCTCACCCCAAGACCT
 GGACCGCTTTGACCACCTGGTGTGAGGCGGAGATCGAGTCTATGAAGGCGAGGACGCCCCCGGCC
 GGGTTGGAGACAGTATTCCATGGTTTCTACAGCGACACAGGCTCATCCACAGGCAGCCACGGCACCT
 CTACAACCGTCAGCTCGGCCAGGAATACATTAGACCTGGAAGGAACCGGTGAGACCACCCAGGGCAGCAC
 CAACGCTCTCCCGGATGTGTCTGTGGATGATGTCAAATCCCCCTCAGAAGATCTGCCTGGTATCAAGCCA
 CCTCTCCCCACCACCCTGGCTCAAGGTCATGACCGTTGCTTGGCCAGCCACGGAAGCCAGGGAGGG
 AGGACCCCGCACCTCTGTCTTCTGCTGCCACTCAGGCATTGTCTTCTCAGCACCACGGAACCGCAGCCC
 GCCGCCAGGGACTGCTCCACTCCGGGACCTTCTCAGCACAGGACTCTCCCTCTCCCCATTTATGCC
 TCCATCTCCCATGCCAACCCAGTTCAGAAAGCCGCTGGACACCACCTGGCCCTGGTTAACAGCAGACC
 CCATCGGCCCCCTCCCTCGAGTCCAGTCCCCACCTCACCTGAAGAGCCCTCCTGCAGAGACCCAGGAGC
 TGGGGCTGCCTTCCACCACCATCACCTCTGAACACCCTGACGCCGTGGGTGCAAACAGCACTTTGTT
 CTGGTGGAGGTGCACCGTCCGGACAGTGAAGTGAAGTGCAGGCTCTGCCAGACTCGCA
 CAGCTCCACACTCTCTCAGCTCTCAGACAGTGGGCGAGCCCTGAGCGAGGACAGTGGCGTGGATGCCGG
 GGAGACGGAGGCCAGCACCTCAGGCCGAGGCAGACAGACAGCATCCGCTAAGAACAAGAAATGGCAAGGAG
 CAGCCCCGGACGGAGAGGACCCGGGAGGGTGCCAAACAACCTCCCGCCCTGCTGGAGCCAACGTCACCC
 TGGTCCGTGTGAGGAAAAGTGCAGCCACTGGGCATCGCCATTGAGGGCGGTGCCAACACGCCCAGCC
 TCTGCCAGGATCGTCACAATTCAGCGAGGAGTTCTGCCATAACTGTGGACAGCTCAAGGTGGGCCAC
 GTAATTCTGGAAGTGAATGGGCAGACACTTCGGGGTAAGGAGCACAAGGAGGCCGCCGAATCATCGCTG
 AGGCCTCAAGACCAAGGAGAGAGACTACATCGACTTTCTGGTCACTGAGTTCAACGTGATGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001008795

Insert Size: 1398 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_001008795.1](#), [NP_001008795.1](#)

RefSeq Size: 2632 bp

RefSeq ORF: 1398 bp

Locus ID: 73750

Cytogenetics: 4 33.97 cM

Gene Summary: This gene encodes a protein required for elongation and actin polymerization in the hair cell stereocilia. The encoded protein is localized to the cytoplasm and co-localizes with the growing end of actin filaments. Mutations in this gene have been linked to deafness. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013]