

Product datasheet for **MC218847**

Whrn (NM_001008797) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_001008797) 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: >MC218847 representing NM_001008797
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACATGGTGCCATCGTCCCAGGGTTAGGTGGAGCGGTTCTGTGTGTGGAGACCATCAACACA
 ACGCTAGAAGCCACAGCCTCCCCCGCAGCTAGACTCCTCTGGCCTGTGTCTTCTGTTTTTCAGCCAGG
 ATTTTACAAGGGCCAGCCGGCTCCCAGGTGACCTGAGCAGCCTGGGAATCAGACTCGTGCCTGCTG
 GACGACCAAGCCAGGCACCTGCTGACAGAGCAGGAGCGGCCACCATGATGTACTACCTGGCCAGTACC
 GTGGTGGCACCATCTCTGTGGAGGCCATGGTCATGGCACTGTTTGAGTTGCTCAACACACACGCCAAGTT
 CTCCTCTGTCTGAGGTGAGAAGCATCATCTACCCCAAGACCTGGACCGCTTTGACCCTGGTGTCTG
 AGGCGGAGATCGAGTCTATGAAGGCGAGGCAGCCCCCGGCCGGGTTGGAGACACGTATTCATGG
 TTTCTACAGCGACACAGGCTCATCCACAGGCAGCCACGGCACCTCTACAACCGTCAGCTCGCCAGGAA
 TACATTAGACCTGGAAGGAACCGGTGAGACCACCCAGGGCAGCACCAACGCTCTCCGGATGTGTCTGTG
 GATGATGTCAAATCCCCCTCAGAAGATCTGCCTGGTATCAAGCCACCTCCTCCCCACCACCCCTGGCTC
 AAGGTCATGACCGCTTGCTTGGCCAGCCACGGAAGCCAGGGAGGAGACCCCGCACCTCTGTCTTCTGC
 TGCCCACTCAGGCATTGTCTTCTCAGCACCACGGAACCGCAGCCCGCCGAGGGACTGCTCCCACTCCG
 GGACCTTCTCAGCACAGGACTCTCCCTCCTCCCCATTTATGCCTCCATCTCCCATGCCAACCCAGTT
 CCAGAAAGCCGCTGGACACCCACCTGGCCCTGGTTAACCAGCACCCCATCGGCCCTTCCCTCGAGTCCA
 GTCCCCACCTCACCTGAAGAGCCCTCCTGCAGAGACCCAGGAGCTGGGGCTGCCTTCCACCACCATCA
 CCCTCTGAACACCCTGACGCCGTGGGTGCAAACCAGCACTTTGTCTGGTGGAGTGCACCGTCCGGACA
 GTGAGCCTGATGTGAATGAAGTGGGGCTCTGCCCCAGACTCGCACAGCCTCCACACTCTCTCAGCTCTC
 AGACAGTGGGCAGACCCTGAGCGAGGACAGTGGCGTGGATGCCGGGAGACGGAGCCAGCACCTCAGGC
 CGAGGCAGACAGACAGCATCCGCTAAGAACAAGAATGGCAAGGAGCAGCCCGGACGGAGAGGACCGCGG
 AGGGTGCCAACAAACCTCCCGCCCTGCTGGAGCCAACGTCCACCCTGGTCCGTGTGAGGAAAAGTGCAGC
 CACTGCGCATCGCCATTGAGGCGGTGCCAACACAGCCAGCCTCTGCCAGGATCGTCACAATTGAG
 CGAGGAGGTTCTGCCATAACTGTGACAGCTCAAGGTGGGCCACGTAATTCTGGAAGTGAATGGGCAGA
 CACTTCGGGGTAAGGAGCACAAGGAGGCCGCCGAATCATCGCTGAGGCCTCAAGACCAAGGAGAGAGA
 CTACATCGACTTCTGGTCACTGAGTTCAACGTGATGCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001008797

Insert Size: 1653 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_001008797.1](#), [NP_001008797.1](#)

RefSeq Size: 2537 bp

RefSeq ORF: 1653 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]