

Product datasheet for **MC216522**

Whrn (NM_001008794) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_001008794) 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: >MC216522 representing NM_001008794
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTACTACCTGGCCAGTACCGTGGTGGCACCATCTCTGTGGAGGCCATGGTCATGGCACTGTTTG
 AGTTGCTCAACACACACGCCAAGTTCTCACTCCTGTCTGAGGTGAGAAGCATCATCTCACCCCAAGACCT
 GGACCGCTTTGACCACCTGGTGCTGAGGCGGAGATCGAGTCTATGAAGGCGAGGACGCCCCCGGCC
 GGGGTTGGAGACAGTATTCCATGGTTTCTACAGCGACACAGGCTCATCCACAGGCAGCCACGGCACCT
 CTACAACCGTCAGCTCGGCCAGGGAGCGGCTGCTGTGGCTTATAGACCTGATGGAGAATACATTAGACCT
 GGAAGGAACCGGTGAGACCACCCAGGGCAGCACCAACGCTCTCCCGGATGTGTCTGTGGATGATGTCAA
 TCCCCCTCAGAAGATCTGCCTGGTATCAAGCCACCTCTCCCCACCACCCCTGGCTCAAGGTGATGACC
 GCTTGCTTGCCAGCCACGAAGCCAGGGAGGGAGGCCCGCACCTCTGTCTTCTGCTGCCACTCAGG
 CATTGTCTTCTCAGCACCGGAACCGCAGCCCGGCCAGGGACTGCTCCCACTCGGGACCTTCTCTCA
 GCACAGGACTCTCCCTCCTCCCCATTTATGCCTCCATCTCCCATGCCAACCCAGTTCCAGAAAGCCGC
 TGGACACCCACCTGGCCCTGGTTAACAGCACCCCATCGGCCCTTCCCTCGAGTCCAGTCCCCACCTCA
 CCTGAAGAGCCCTCCTGCAGAGACCCAGGAGCTGGGGCCTGCCTTCCACCACCATCACCTCTGAACAC
 CCTGACGCCGTGGGTGCAAACAGCACTTTGTTCTGGTGGAGGTGCACCGTCCGGACAGTGAACCTGATG
 TGAATGAAGTGGGGCTCTGCCCCAGACTCGCACAGCCTCCACACTCTCTCAGCTCTCAGACAGTGGGCA
 GACCTGAGCGAGGACAGTGGCGTGGATGCCGGGAGACGGAGGCCAGCACCTCAGGCCGAGGCAGACAG
 ACAGCATCCGCTAAGAACAAGAATGGCAAGGAGCAGCCCCGGACGGAGAGGACCGCGAGGGTGCCAACA
 AACCTCCCGCCCTGCTGGAGCCAACGTCACCTGGTCCGTGTGAGGAAAAGTGCAGCCACTGGGCAT
 CGCCATTGAGGGCGGTGCCAACACACGCCAGCCCTCTGCCAGGATCGTCAACAATTCAGCGAGGAGTTCT
 GCCATAACTGTGGACAGCTCAAGGTGGCCACGTAATTCTGGAAGTGAATGGGCAGACACTTCGGGTA
 AGGAGCACAAGGAGGCCGCCGAATCATCGCTGAGGCCTTCAAGACCAAGGAGAGAGACTACATCGACTT
 TCTGGTCACTGAGTTCAACGTGATGCT**TAG**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001008794

Insert Size: 1431 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_001008794.1](#), [NP_001008794.1](#)

RefSeq Size: 2665 bp

RefSeq ORF: 1431 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]