

## Product datasheet for MC211460

### Whrn (NM\_001008798) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Whrn (NM\_001008798) 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  
**Fully Sequenced ORF:** >MC211460 representing NM\_001008798  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAATACATTAGACCTGGAAGGAACCGGTGAGACCACCCAGGGCAGCACCAACGCTCTCCCGGATG  
 TGCTGTGGATGATGTCAAATCCCCTCAGAAGATCTGCCTGGTATCAAGCCACCTCTCCCCACCACC  
 CCTGGCTCAAGGTCATGACCGCTTGCTTGCCAGCCACGGAAGCCAGGGAGGGAGGACCCCGCACCTCTG  
 TCTTCTGCTGCCACTCAGGCATTGTCTTCTCAGCACCACGGAACCGCAGCCCGCCAGGACTGCTC  
 CCACTCCGGGACCTTCTCAGCACAGGACTCTCCCTCCTCCCAATTTATGCCTCCATCTCCCATGCCAA  
 CCCCAGTTCAGAAAGCCGCTGGACACCACCTGGCCCTGGTTAACAGCACCCCATCGGCCCTTCCCT  
 CGAGTCCAGTCCCACCTCACCTGAAGAGCCCTCCTGCAGAGACCCAGGAGCTGGGGCCTGCCTTCCAC  
 CACCATCACCTCTGAACACCCTGACGCCGTGGGTGCAAACCAGCACTTTGTTCTGGTGGAGGTGCACCG  
 TCCGGACAGTGAGCCTGATGTGAATGAAGTGCCGGCTCTGCCCAGACTCGCACAGCCTCCACACTCTCT  
 CAGCTCTCAGACAGTGGCAGACCCTGAGCGAGGACAGTGGCGTGGATGCCGGGAGACGGAGCCAGCA  
 CCTCAGGCCGAGGCAGACAGACATCCGCTAAGAACAAGAAATGGCAAGGAGCAGCCCGGACGGAGAG  
 GACCGCGGAGGTGCCAACAACCTCCCGCCTGCTGGAGCCAACGTCCACCCTGGTCCGTGTGAGGAAA  
 AGTGCAGCCACTGGGCATCGCCATTGAGGGCGGTGCCAACACACGCCAGCCTCTGCCAGGATCGTCA  
 CAATTCAGCGAGGAGTTCTGCCATAACTGTGGACAGCTCAAGGTGGGCCACGTAATTCTGGAAGTGAA  
 TGGGCAGACACTTCGGGGTAAGGAGCACAAGGAGGCCGCCGAATCATCGCTGAGGCCTCAAGACCAAG  
 GAGAGAGACTACATCGACTTTCTGGTCACTGAGTTCAACGTGATGCT**TAG**

**ACGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001008798



|                               |   |
|-------------------------------|---|
| <b>Insert Size:</b>           | 1101 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u>NM_001008798.1, NP_001008798.1</u>   |
| <b>RefSeq Size:</b>           | 2869 bp   |
| <b>RefSeq ORF:</b>            | 1101 bp   |
| <b>Locus ID:</b>              | 73750   |
| <b>Cytogenetics:</b>          | 4 33.97 cM  |
| <b>Gene Summary:</b>          | 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]  |