

## Product datasheet for **MC227028**

### Whrn (NM\_001276371) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Whrn (NM\_001276371) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Whrn  
**Synonyms:** 1110035G07Rik; AW122018; AW742671; C430046P22Rik; Dfnb3; Dfnb31; Ush2; Ush2d; w; wi  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC227028 representing NM\_001276371  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACGCACAGCTGGACGGCCTGTCGGTGAGCTCGTCCACCAGGCTCGTGGGCTCGGCGCGGGCGG  
 CGGCGGGCGGGCGGGGGCGGGGTTGCGGCTGCTGTCTGCCAACGTGCGCCAGTGCACCAAGCGCT  
 CACGGCGCTGCTGAGCGAGCCCGAGCGGGAGCAGTTCCTCACTGCTCAACGCGTACCACGCGCCCGC  
 AACGTCTTCGACCTGGTGGCACCCTGCGGCTCCTGCTGGACAGCCGGTCAAGCGGCGTCTGCTGCCA  
 TGCTGCGTCTGGTCATCCGCGCTCCGACCAGTGTCTTCGACCAGTACACGGCCGAGGGCCTCTACCT  
 GCCAGCCACCACCCCTACAGGCAGCCCGCTGGGCGCTCCGACGGCGCGGGCCCGGGGAGGTGCGA  
 CTCGTGAGCCTGCGGCGCGCAAGGCCACGAGGGCTTGGGCTTACGATCCGCGGGGGCTCGGAACACG  
 GCGTGGGCATCTACGTGTCTCTAGTGGAGCCGGGCTCCCTGGCAGAGAAGGAAGGGTTGCGGGTGGGGA  
 CCAGATTCTGCGCGTCAACGATAAATCTCTAGCCCGGGTGACCCACGCGGAGGCTGTCAAGGCTCTAAA  
 GGCTCCAAGAAGCTGGTGTCTGTATACTCAGCTGGGCGTATCCAGGGGGCTATGTGACCAACCACA  
 TCTACACCTGGGTGGACCCACAGGTCGAAGCACATCCCTCCCTCCAGCCTGCCCCAGCCCCATGGCAG  
 CACCCTGAGACAGCGTGAAGATGACCGAAGGAGTACCTCCACCTCTGCAGAGTGGAGATGAGAAAAAG  
 GTGAACCTGGTGTGGGGGACGGCCGGTCTTGGGCTCACGATCCGAGGTGGAGCAGAGTACGGCCTTG  
 GCATTTACATCACTGGTGTGGACCCAGGCTCTGAAGCAGAGAGCAGCGGCTCAAG**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001276371



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<b>Insert Size:</b>	969 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<a href="#">NM_001276371.1</a> , <a href="#">NP_001263300.1</a>
<b>RefSeq Size:</b>	2040 bp
<b>RefSeq ORF:</b>	969 bp
<b>Locus ID:</b>	73750
<b>UniProt ID:</b>	<a href="#">Q80VW5</a>
<b>Cytogenetics:</b>	4 33.97 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (10) uses an alternate 3' terminal exon, compared to variant 2. It encodes isoform 10 which is shorter and has a distinct C-terminus, compared to isoform 2.</p>