

Product datasheet for **MC222594**

Whrn (NM_001008791) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_001008791) 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)



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Fully Sequenced ORF: >MC222594 representing NM_001008791
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGCACAGCTGGACGGCCTGTGCGTGAGCTCGTCCACCGGCTCGTGGGCTCGCGCGCGCGG
 CGCGGGCGCGCGGGGGCGGGGTTGCGGCTGCTGTCTGCCAACGTGCGCCAGCTGCACCAAGCGCT
 CACGGCGCTGCTGAGCGAGCCCAGCGGAGCAGTTCACTCACTGCTCAACGCGTACCACGCGCGCCGC
 AACGTCTTCGACTGGTGCACCCCTGCGGCTCTGCTGGACAGCCCGTCAAGCGCGTCTGCTGCCCA
 TGCTGCGTCTGGTCATCCCGGCTCCGACCAGCTGCTCTTCGACCAGTACACGGCCGAGGGCCTTACTT
 GCCAGCCACCACCCCTACAGGCAGCCCGCTGGGCGCTCCGACGCGCGGGGCCCGGGAGGTGCGA
 CTCGTGAGCCTGCGGCGGCCAAGGCCACGAGGGCTTGGGCTTCAAGTCCGCGGGGCTCGGAACACG
 GCGTGGGCATCTACGTGTCTTAGTGGAGCCGGCTCCCTGGCAGAGAAGGAAGGTTGCGGGTCCGGGA
 CCAGATTCTGCGCGTCAACGATAAATCTTAGCCCGGGTACCCACGCGGAGGCTGTCAAGGCTCTCAA
 GGCTCCAAGAAGCTGGTGTCTGTATACTAGCTGGGCGTATCCCAGGGGGCTATGTGACCAACCACA
 TCTACACCTGGGTGGACCCACAGGGTCAAGCAGTACCCCTCCCTCCAGCTGCCCCAGCCCATGGCAG
 CACCCTGAGACAGCGTGAAGTACCGAAGGAGTACCCTCCACCTCCTGCAGAGTGGAGATGAGAAAAAG
 GTGAACCTGGTGTGGGGGACGGCCGGTCTTGGGCTCACGATCCGAGGTGGAGCAGAGTACGGCCTTG
 GCATTTACATCACTGGTGTGGACCCAGGCTCTGAAGCAGAGAGCAGCGCCCTCAAGTTGGAGCCAGAT
 TCTGGAGGTGAATGGGCGGAGCTTTCTCAACATCCTGCATGATGAGGCAGTGAAGTGTCAAGTATCC
 CGGCACCTCATCTGACGGTGAAGGACGTGGAAGGCTGCCACGCACGTACCACCGTGGACAGACCA
 AGTGATCGCCAGTTCGCGGATCGGGAAAGCTCGCCAACTCAGCAGGGTTTCCAGGGACACACAGA
 AGAAGGGACAAGCAAGCCAGGATTTTACAAGGGCCAGCGGCTCCAGGTGACCTGAGCAGCCTGGGG
 AATCAGACTCGTGCCTGCTGGACGACCAAGCCAGGCACCTGCTGACAGAGCAGGAGCGGCCACCATGA
 TGTACTACCTGGCCAGTACCGTGGTGGACCATCTCTGTGGAGGCCATGGTCATGGCACTGTTTGAAGT
 GCTCAACACACGCAAGTTCTCACTCCTGTCTGAGGTGAGAAGCATCATCTCACCCCAAGACCTGGAC
 CGCTTTGACCACCTGGTGTGAGGCGGAGATCGAGTCTATGAAGGCGAGGCAGCCCCCGGCCCGGG
 TTGGAGACAGTATTCCATGGTTTCTACAGCAGACAGGCTCATCCACAGGCAGCCACGGCACCTTAC
 AACCGTACGCTCGCCAGGGAGCGGCTGCTGTGGCTTATAGACCTGATGGAGAATACATTAGACCTGGAA
 GGAACCGGTGAGACCACCCAGGGCAGCACAACGCTCTCCCGGATGTGTCTGTGGATGATGTCAAATCCC
 CCTCAGAAGATCTGCCTGGTATCAAGCCACCTCCTCCCCACCCCTGGCTCAAGGTATGACCGCTT
 GCTTGGCCAGCCACGGAAGCCAGGGAGGGAGGACCCCGCACCTCTGTCTTCTGCTGCCACTCAGGCATT
 GTCTTCTCAGCACACGGAACCCGAGCCCGCCGCGCCAGGGACTGCTCCACTCCGGGACCTTCTCAGCAC
 AGGACTCTCCCTCCTCCCCATTTATGCCTCCATCTCCCATGCCAACCCAGTTCAGAAAGCCGCTGGA
 CACCCACCTGGCCCTGGTTAACCAGCACCCATCGGCCCTTCCCTCGAGTCCAGTCCCCACCTCACCTG
 AAGAGCCCTCTGCAGAGACCCAGGAGCTGGGGCCTGCCTCCACCACCATCACCTCTGAACACCTG
 ACGCCGTGGGTGCAAACCAGCACTTTGTTCTGGTGGAGGTGCACCGTCCGGACAGTGAAGCTGATGTGAA
 TGAAGTGCGGGCTCTGCCAGACTCGCACAGCCTCCACTCTCAGCTCTCAGACAGTGGGAGACG
 CTGAGCGAGGACAGTGGCGTGGATGCCGGGAGACGGAGGCCAGCAGCCTCAGGCCGAGGCAGACAGACAG
 CATCCGCTAAGAACAAGAAATGGCAAGGAGCAGCCCGGACGGAGAGGACCGGGAGGGTCCAAACAAACC
 TCCCGGCTGCTGGAGCAACGTCCACCCTGGTCCGTGTGAGGAAAAGTGCAGCCACACTGGGCATCGCC
 ATTGAGGGCGGTGCCAACACAGCCAGCCTCTGCCAGGATCGTCAAAATCAGCGAGGAGGTTCTGCC
 ATAAGTGTGGACAGCTCAAGGTGGGCCAGTAATTCTGGAAGTGAATGGGAGACACTTCGGGGTAAAGGA
 GCACAAGGAGGCCGCCGAATCATCGCTGAGGCCTTCAAGACCAAGGAGAGACTACATCGACTTCTG
 GTCAGTGAATTCAACGTGATGCT**TAG**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN:	NM_001008791
Insert Size:	2757 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:	<ol style="list-style-type: none"> 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:	<u>NM_001008791.2</u> , <u>NP_001008791.1</u>
RefSeq Size:	4089 bp
RefSeq ORF:	2757 bp
Locus ID:	73750
UniProt ID:	<u>Q80VW5</u>
Cytogenetics:	4 33.97 cM
Gene Summary:	<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 (2) represents the longest transcript and encodes the longest isoform (2).</p>