

Product datasheet for **MC222532**

Whrn (NM_001008792) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_001008792) 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: >MC222532 representing NM_001008792
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGCACAGCTGGACGGCCTGTCGGTGAGCTCGTCCACCGGCTCGCTGGGCTCGGCGGCGCGG
 CGGCGGGCGGCGGGGGCGGGGTTGCGGCTGCTGTCTGCCAACGTGCGCCAGCTGACCAAGCGCT
 CACGGCGCTGCTGAGCGAGCCGAGCGGGAGCAGTTCACTCACTGCCTCAACGCGTACCACGCGCGCCG
 AACGTCTTCGACCTGGTGCACCCCTGCGGCTCCTGCTGGACAGCCCGTCAAGCGGCGTCTGCTGCCA
 TGCTGCGTCTGGTCATCCCGGCTCCGACCAGCTGCTCTTCGACCAGTACACGGCCGAGGCGCTTACTT
 GCCAGCCACCACCCCTACAGGCAGCCCGCTGGGCGCTCCGACGCGCGGGGCCCGGGGAGGTGCGA
 CTCGTGAGCCTGCGGCGGCCAAGGCCACGAGGGCTTGGGCTTCAAGTCCGCGGGGCTCGGAACACG
 GCGTGGGCATCTACGTGTCTTAGTGGAGCCGGGCTCCCTGGCAGAGAAGGAAGGTTGCGGGTCCGGGA
 CCAGATTCGCGCGTCAACGATAAATCTTAGCCCGGGTACCCACGCGGAGGCTGTCAAGGCTCTCAA
 GGCTCCAAGAAGCTGGTGTCTGTATACTAGCTGGGCGTATCCAGGGGGCTATGTGACCAACCACA
 TCTACACCTGGGTGGACCCACAGGGTCGAAGCAGTCCCTCCCTCCAGCCTGCCCCAGCCCATGGCAG
 CACCCTGAGACAGCGTGAAGTACCGAAGGAGTACCCTCCACCTCCTGCAGAGTGGAGATGAGAAAAAG
 GTGAACCTGGTGTGGGGGACGGCCGCTTGGGCTCACGATCCGAGGTGGAGCAGAGTACGGCCTTG
 GCATTTACATCACTGGTGTGGACCCAGGCTCTGAAGCAGAGAGCAGCGGCTCAAGGTTGGAGACCAGAT
 TCTGGAGGTGAATGGGCGGAGCTTTCTCAACATCCTGCATGATGAGGCAGTGAAGCTGCTCAAGTATCC
 CGGCACCTCATCTGACGGTGAAGGACGTGGAAGGCTGCCACGCACGTACCACCGTGGACACCA
 AGTGATCGCCAGTTCGGGATCGGGAAAGCTCGCCAACTCAGCAGGGTCTGGTCTCAGGTTCCAGG
 GGACCACAGAGAAGGGACAAGCAAGCCAGGATTTACAAGGGCCAGCCGGCTCCAGGTGACCCCTG
 AGCAGCCTGGGAATCAGACTCGTGCAGTGTGGACGACCAAGCCAGGCACCTGCTGACAGAGCAGGAGC
 GCGCCACCATGATGACTACCTGGCCAGTACCGTGGTGGCACCATCTCTGTGGAGGCCATGGTATGGC
 ACTGTTTGAGTTGCTCAACACACGCAAGTTCTCACTCCTGTCTGAGGTGAGAAGCATCATCTCACCC
 CAAGACCTGGACCGCTTTGACCACCTGGTGTGAGGCGGAGATCGAGTCTATGAAGGCGAGGCAGCCCC
 CCGGCCCGGGTTGGAGACAGTATTCATGGTTTCTACAGCGACACAGGCTCATCCACAGGCAGCCA
 CGGCACCTCTACAACCGTCACTCGGCCAGGAATACATTAGACCTGGAAGGAACCGGTGAGACCACCCAG
 GGCAGCACCAACGCTCTCCCGATGTGTCTGTGGATGATGCAAATCCCCCTCAGAAGATCTGCCTGGTA
 TCAAGCCACCTCTCCCCACCACCCCTGGCTCAAGGTATGACCGCTTCTTGGCCAGCCACGGAAGCC
 AGGGAGGGAGGACCCCGACCTCTGTCTCTGCTGCCACTCAGGCATTGTCTTCTCAGCACACGGAAC
 CGCAGCCCGCCGCGAGGACTGCTCCCACTCCGGGACCTTCTCAGCACAGGACTCTCCCTCTCCCCCA
 TTTATGCCTCCATCTCCCATGCCAACCCAGTTCAGAAAGCCGCTGGACACCCACCTGGCCCTGGTTAA
 CCAGCACCCCATCGGCCCTTCCCTCGAGTCCAGTCCCACTCACCTGAAGAGCCCTCTGCAGAGACC
 CCAGGAGCTGGGGCTGCCTCCACCACCATCACCTCTGAACACCTGACGCGGTGGTGCAAACCAGC
 ACTTTGTTCTGGTGGAGGTGCACCGTCCGGACAGTGAAGTGAATGAAGTGGGGCTCTGCCCA
 GACTCGCACAGCCTCCACTCTCAGCTCTCAGACAGTGGCAGACCCTGAGCGAGGACAGTGGCGTG
 GATGCCGGGGAGACGGAGGCCAGCACCTCAGGCCGAGGACAGACAGCATCCGCTAAGAAACAAGATG
 GCAAGGAGCAGCCCGGACGGAGAGGACCGGAGGGTCCAAACAAACCTCCCGCCTGCTGGAGCAAC
 GTCCACCCTGGTCCGTGTGAGGAAAAGTGCAGCCACACTGGGCATCGCCATTGAGGGCGGTGCCAACACA
 CGCCAGCCTCTGCCAGGATCGTCAAAATTCAGCGAGGAGGTTCTGCCATAACTGTGGACAGCTCAAGG
 TGGGCCAGTAATTCTGGAAGTGAATGGGACAGACTTCGGGGTAAAGGAGCACAAGGAGGCCGCCGAAT
 CATCGCTGAGGCTTCAAGACCAAGGAGAGACTACATCGACTTCTGGTCACTGAGTTCAACGTGATG
 CTC**TAG**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN:	NM_001008792
Insert Size:	2736 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_001008792.2</u> , <u>NP_001008792.1</u>
RefSeq Size:	4068 bp
RefSeq ORF:	2736 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 (3) uses an alternate in-frame splice site and lacks an in-frame exon in the coding region, compared to variant 2. The encoded isoform (3) is shorter than isoform 2.</p>