

Product datasheet for **MC222533**

Whrn (NM_001008793) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_001008793) 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: >MC222533 representing NM_001008793
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGCACAGCTGGACGGCCTGTGCGTGAGCTCGTCCACCGGCTCGTGGGCTCGGCGGCGCGG
 CGGCGGGCGGCGGGGGCGGGGTTGCGGCTGCTGTCTGCCAACGTGCGCCAGCTGCAACCAAGCGCT
 CACGGCGCTGCTGAGCGAGCCCAGCGGGAGCAGTTCACTCACTGCTCAACGCGTACCAACGCGCCGCG
 AACGTCTTCGACTGGTGCACCCCTGCGGCTCTGCTGGACAGCCCGTCAAGCGGCGTCTGCTGCCCA
 TGCTGCGTCTGGTCATCCCGGCTCCGACCAGCTGCTCTTCGACCAGTACACGGCCGAGGCGCTTACTT
 GCCAGCCACCACCCCTACAGGCAGCCCGCTGGGCGCTCCGACGCGCGGGGCCCGGGGAGGTGCGA
 CTCGTGAGCCTGCGGCGGCCAAGGCCACGAGGGCTTGGGCTTCAAGTCCGCGGGGCTCGGAACACG
 GCGTGGGCATCTACGTGTCTCTAGTGGAGCCGGGCTCCCTGGCAGAGAAGGAAGGTTGCGGGTCCGGGA
 CCAGATTCGCGCGTCAACGATAAATCTCTAGCCCGGGTACCCACGCGGAGGCTGTCAAGGCTCTCAA
 GGCTCCAAGAAGCTGGTGTCTGTATACTAGCTGGGCGTATCCAGGGGGCTATGTGACCAACCACA
 TCTACACCTGGGTGGACCCACAGGGTCAAGCAGTCCCTCCCTCCAGCTGCCCCAGCCCATGGCAG
 CACCCTGAGACAGCGTGAAGTACCGAAGGAGTACCCTCCACCTCCTGCAGAGTGGAGATGAGAAAAAG
 GTGAACCTGGTGTGGGGGACGGCCGGTCTTGGGCTCACGATCCGAGGTGGAGCAGAGTACGGCCTTG
 GCATTTACATCACTGGTGTGGACCCAGGCTCTGAAGCAGAGAGCAGCGGCTCAAGGTTGGAGACCAGAT
 TCTGGAGGTGAATGGGCGGAGCTTTCTCAACATCCTGCATGATGAGGCAGTGAAGTGTCAAGTCACTCC
 CGGACCTCATCTGACGGTGAAGGACGTGGAAGGCTGCCACGCACGTACCACCGTGGACAGACCA
 AGTGGATCGCCAGTTCGCGGATCGGGGAAAGCGTCCGCAACTCAGCAGGGTTTCCAGGGACACACAGA
 AGAAGGGACAAGCAAGCCAGGATTTTACAAGGGCCAGCCGGCTCCAGGTGACCTGAGCAGCCTGGGG
 AATCAGACTCGTGCAGTCTGGACGACCAAGCCAGGCACCTGCTGACAGAGCAGGAGCGGCCACCATGA
 TGTACTACCTGGCCAGTACCGTGGTGGACCATCTCTGTGGAGGCCATGGTCATGGCACTGTTTGAAGT
 GCTCAACACACGCAAGTTCTCACTCTGTCTGAGGTGAGAAGCATCATCTCACCCCAAGACCTGGAC
 CGCTTTGACCACCTGGTGTGAGGCGGAGATCGAGTCTATGAAGGCGAGGCAGCCCCCGGCCCGGGG
 TTGGAGACACGTATCCATGGTTTCTACAGCGACACAGGCTCATCCACAGGCAGCCACGGCACCTTAC
 AACCGTACGCTCGCCAGGAATACATTAGACCTGGAAGGAACCGGTGAGACCACCCAGGGCAGCACAAC
 GCTCTCCCGATGTGTCTGTGGATGATGCAATCCCTCAGAAGATCTGCCTGGTATCAAGCCACCTC
 CTCCCCACCACCCCTGGCTCAAGGTGATGACCGCTTGTCTGGCCAGCCACGGAAGCCAGGGAGGGAGGA
 CCCCACCTCTGTCTTCTGCTGCCACTCAGGCATTGTCTTCTCAGCACCACGGAACCCGAGCCCGCCG
 CCAGGGACTGCTCCCACTCCGGGACCTTCTCAGCACAGGACTCTCCCTCCTCCCCATTTATGCCTCCA
 TCTCCATGCCAACCCAGTTCAGAAAGCCGCTGGACACCCACCTGGCCCTGGTTAACCAGCACCCAT
 CGGCCCTTCCCTCGAGTCCAGTCCCACTCACCTGAAGAGCCCTCTGCAGAGACCCAGGAGCTGGG
 GCCTGCCTTCCACCACATCACCTCTGAACACCCTGACGCGTGGGTGCAAACCAGCACTTTGTTCTGG
 TGGAGGTGCACCGTCCGGACAGTGAAGTGTGATGTAATGAAGTGCAGGCTCTGCCACAGACTCGACCTC
 CACACTCTCAGCTCTCAGACAGTGGCAGACCCTGAGCGAGGACAGTGGCGTGGATGCCGGGAGACG
 GAGGCCAGCACCTCAGGCCGAGGACAGACAGCATCCGCTAAGAACAAGAATGGCAAGGAGCAGCCCC
 GGACGGAGAGGACCGGAGGGTGCACAACACCTCCCGGCTGCTGGAGCCAACGTCCACCTGGTCCG
 TGTGAGGAAAAGTGCAGCCACTGGGCATCGCCATTGAGGGCGGTGCCAACACAGCCAGCCTCTGCC
 AGGATCGTCACAATTCAGCGAGGAGTTCTGCCATAACTGTGGACAGCTCAAGGTGGGCCACGTAATTC
 TGGAAGTGAATGGGCAGACACTTCGGGTAAGGAGCACAAGGAGGCCCGCAATCATCGCTGAGGCCTT
 CAAGACCAAGGAGAGACTACATCGACTTTCTGGTCACTGAGTTCAACGTGATGCT**TAG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001008793

Insert Size:	2721 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_001008793.2</u> , <u>NP_001008793.1</u>
RefSeq Size:	4053 bp
RefSeq ORF:	2721 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 (4) lacks an in-frame exon and uses an alternate in-frame splice site in the coding region, compared to variant 2. The encoded isoform (4) is shorter than isoform 2.</p>