

Product datasheet for **MR224050**

Whrn (NM_001008793) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_001008793) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)



[View online »](#)

ORF Nucleotide Sequence:

>MR224050 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGCACAGCTGGACGGCCTGTGCGTGAGCTCGTCCACCGGCTCGTGGGCTCGGCGGCGCGG
 CGGCGGGCGGCGGCGGGGGCGGGGTTGCGGCTGCTGTCTGCCAACGTGCGCCAGCTGCACCAAGCGCT
 CACGGCGCTGCTGAGCGAGCCCGAGCGGGAGCAGTTCACTCACTGCTCAACCGTACCAACCGCGCCG
 AACGTCTTCGACCTGGTGCACCCCTGCGGCTCTGCTGGACAGCCCGTCAAGCGGCGTCTGCTGCCCA
 TGCTGCGTCTGGTCATCCCGGCTCCGACCAGCTGCTCTTCGACCAGTACACGGCCGAGGCGCTTACTT
 GCCAGCCACCACCCCTACAGGCAGCCCGCTGGGCGCTCCCGACGGCGCGGGGCCCGGGAGGTGCGA
 CTCGTGAGCCTGCGGCGGCCAAGGCCACGAGGGCTTGGGCTTCAAGTCCGCGGGGGCTCGGAACACG
 GCGTGGGCATCTACGTGTCTCTAGTGGAGCCGGCTCCCTGGCAGAGAAGGAAGGTTGCGGGTGGGGG
 CCAGATTTGCGCGTCAACGATAAATCTCTAGCCCGGGTACCCACGGGAGGCTGTCAAGGCTCTCAA
 GGCTCCAAGAAGCTGGTGTCTGTATACTACGCTGGGCGTATCCCAGGGGGCTATGTGACCAACCACA
 TCTACACCTGGGTGGACCCACAGGGTCAAGCAGTACCCCTCCCTCCAGCTGCCCCAGCCCATGGCAG
 CACCCTGAGACAGCGTGAAGTACCGAAGGAGTACCCTCCACCTCCTGCAGAGTGGAGATGAGAAAAAG
 GTGAACCTGGTGTGGGGGACGGCCGGTCTTGGGCTCACGATCCGAGGTGGAGCAGAGTACGGCCTTG
 GCATTTACATCACTGGTGTGGACCCAGGCTCTGAAGCAGAGAGCAGCGGCTCAAGGTTGGAGACCAGAT
 TCTGGAGGTGAATGGGCGGAGCTTTCTCAACATCCTGCATGATGAGGCAGTGAAGCTGCTCAAGTATCC
 CGGCACCTCATCTGACGGTGAAGGACGTGGAAGGCTGCCACGCACGTACCACCGTGGACACAGCCA
 AGTGGATCGCCAGTTCGCGGATCGGGGAAAGCGTCCGCAACTCAGCAGGGTTTCCAGGGGACACACAG
 AGAAGGGACAAGCAAGCCAGGATTTTACAAGGGCCAGCCGGCTCCAGGTGACCTGAGCAGCCTGGGG
 AATCAGACTCGTGCAGTCTGGACGACCAAGCCAGGCACCTGCTGACAGAGCAGGAGCGGCCACCATGA
 TGTACTACCTGGCCAGTACCGTGGTGGCACCATCTGTGTGGAGGCCATGGTCATGGCACTGTTTGA
 GCTCAACACACACGCCAAGTTCTCACTCCTGTCTGAGGTGAGAAGCATCATCTCACCCCAAGACCTGGAC
 CGCTTTGACCACCTGGTGTGAGGCGGAGATCGAGTCTATGAAGGCGAGGCAGCCCCCGGCCCGGGG
 TTGGAGACACGTATCCATGGTTTCTACAGCGACACAGGCTCATCCACAGGCAGCCACGGCACCTTAC
 AACCGTACGCTCGCCAGGAATACATTAGACCTGGAAGGAACCGGTGAGACCACCCAGGGCAGCACAAC
 GCTCTCCCGATGTGTCTGTGGATGATGCAAATCCCCTCAGAAGATCTGCCTGGTATCAAGCCACCTC
 CTCCCCACCACCCCTGGCTCAAGGTATGACCCTTGTCTGGCCAGCCACGGAAGCCAGGGAGGGAGGA
 CCCCACCTCTGCTTCTGCTGCCACTCAGGCATTGCTTCTCAGCACCACGGAACCCGAGCCCGCCG
 CCAGGGACTGCTCCCACTCCGGGACCTTCTCAGCACAGGACTCTCCCTCCTCCCCATTTATGCCTCCA
 TCTCCATGCCAACCCAGTTCAGAAAGCCGCTGGACACCCACCTGGCCCTGGTTAACCAGCACCCAT
 CGGCCCTTCCCTCGAGTCCAGTCCCACTCACCTGAAGAGCCCTCTGCAGAGACCCAGGAGCTGGG
 GCCTGCCTTCCACCACATCACCTCTGAACACCCTGACGCCGTGGGTGCAAACCAGCACTTTGTTCTGG
 TGGAGGTGCACCGTCCGGACAGTGAAGTGTGAAATGAAGTGCAGGCTCTGCCACAGACTCGCACCTC
 CACACTCTCAGCTCTCAGACAGTGGGCAGACCCTGAGCGAGGACAGTGGCGTGGATGCCGGGAGACG
 GAGGCCAGCACCTCAGGCCGAGGACAGACAGCATCCGCTAAGAACAAGAATGGCAAGGAGCAGCCCC
 GGACGGAGAGGACCGGAGGGTGCACAACAACTCCCGGCTGCTGGAGCCAACGTCCACCCTGGTCCG
 TGTGAGGAAAAGTGCAGCCACTGGGCATCGCCATTGAGGGCGGTGCCAACACAGCCAGCCTCTGCC
 AGGATCGTCACAATTCAGCGAGGAGTTCTGCCATAACTGTGGACAGCTCAAGGTGGGCCACGTAATTC
 TGGAAGTGAATGGGCAGACACTCGGGTAAGGAGCACAAGGAGGCCCGCAATCATCGCTGAGGCCTT
 CAAGACCAAGGAGAGAGACTACATCGACTTTCTGGTCACTGAGTTCAACGTGATGCTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224050 protein sequence
 Red=Cloning site Green=Tags(s)

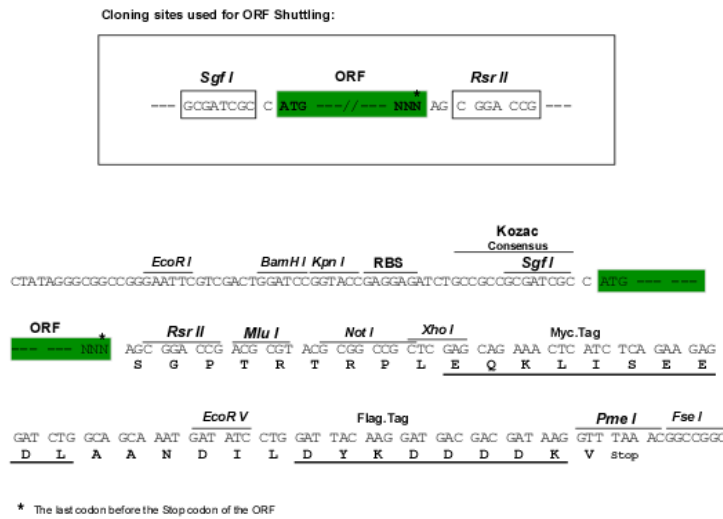
MNAQLDGLSVSSSTGSLGSAAAAGGGGAGLRLLSANVRQLHQALTALLSEPEREQFTHCLNAYHARR
 NVFDLVRTLRVLLDSPVKRRLPLMLRLVIPRSDQLLFDQYTAAGLYLPATTPYRQPAWAAPDGAGPGEVR
 LVSLRRAKAHEGLGFSIRGGSEHGVIYVSLVEPGSLAEKEGLRVGDQILRVNDKSLARVTHAEAVKALK
 GSKKLVLVSVSAGRIPGGYVTNHIIYTWVDPQGRSTSPSSLPQPHGSTLRQREDDRRSTLHLLQSGDEKK
 VNLVLGDGRSLGLTIRGGAEGYGLGIYITGVDPGSEAESSGLKVGQDQILEVNGRSFLNILHDEAVKLLKSS
 RHLILTVKDVGRPHARTTVDQTKWIASRIGESVANSAGFPGDHTEEGTSKPGFYKGPAGSQVTLSSLG
 NQTRALLDDQARHLLTEQERATMMYYLAQYRGGTISVEAMVMALFELLNTHAKFSLLSEVRSIISPQDL
 RFDHLVLRREIESMKARQPPGPGVGDYSMVSYSDTGSSTGSHGTSTTVSSARNTLDLEGTGETTQGSTN
 ALPDVSVDDVKSPSEDLPGIKPPPPPLAQGHDRLLGQPRKPGREDPAPLSSAAHSGIVFSAPRNRSP
 PGTAPTGPSSAQDSSPIYASISHANPSSRKPLDTHLALVNQHPIGPFRVQSPPHLKSPPAETPGAG
 ACLPPSPSEHPDAVGANQHFVLEVHRPDSEPDVNEVRALPQTRTSTLSQLSDSGQTLSEDSGVDAGET
 EASTSGRGRQTASAKNKGKEQPRTERTAEGANKPPGLEPTSTLVRVRKSAATLGIAIEGGANTRQPLP
 RIVTIQRGGSAHNCGQLKVGHVILEVNGQTLRGEKHEAARIIEAFKTKERDYIDFLVTEFNVML

SGPTRRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

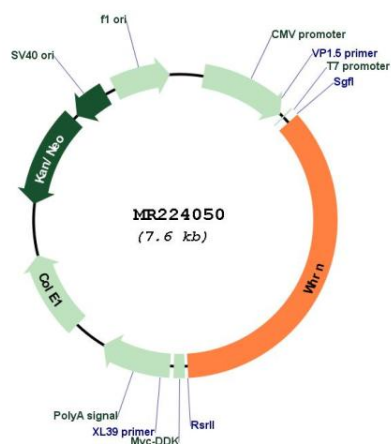
Cloning Scheme:



ACCN: NM_001008793

ORF Size:	2718 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001008793.2 , NP_001008793.1
RefSeq Size:	4053 bp
RefSeq ORF:	2721 bp
Locus ID:	73750
UniProt ID:	Q80VW5
Cytogenetics:	4 33.97 cM
MW:	96.5 kDa
Gene Summary:	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]

Product images:



Circular map for MR224050