

Product datasheet for MR229239

Whrn (NM_001276371) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Whrn (NM_001276371) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Whrn
Synonyms: 1110035G07Rik; AW122018; AW742671; C430046P22Rik; Dfnb3; Dfnb31; Ush2; Ush2d; w; wi
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229239 representing NM_001276371
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGAACGCACAGCTGGACGGCCTGTCCGGTGGAGCTCGTCTCCACCGGCTCGTGGGCTCGGCGGGCGGG
CGGCGGGCGGGCGGGGGCGGGGTTGCGGCTGCTGTCTGCCAACGTGCGCCAGCTGCACCAAGCGCT
CACGGCGCTGCTGAGCGAGCCCGAGCGGGAGCAGTTCACTCACTGCCTCAACCGGTACCACGCGCGCCG
AACGTCTCGACCTGGTGCACCCCTGCGCGTCTGCTGGACAGCCCGGTCAAGCGGCGTCTGCTGCCCA
TGCTGCGTCTGGTCATCCCGCGCTCCGACCAGCTGCTCTTCGACCAGTACACGGCCGAGGGCCTCTACCT
GCCAGCCACCACCCCTACAGGCAGCCCGCCTGGGCGGCTCCCGACGGCGGGGGCCCGGGAGGTGCGA
CTCGTGAGCCTGCGGCGCGCAAGGCCACGAGGGCTTGGGCTTCCAGCATCCGCGGGGGCTCGGAACACG
GCGTGGGCATCTACGTGTCTCTAGTGGAGCCGGGCTCCCTGGCAGAGAAGGAAGGGTTGCGGGTGGGGA
CCAGATTCTGCGCGTCAACGATAAATCTCTAGCCCGGGTGACCCACGCGGAGGCTGTCAAGGCTCTAAA
GGCTCCAAGAAGCTGGTGTCTGTATACTCAGCTGGCGTATCCCAGGGGGCTATGTGACCAACCACA
TCTACACCTGGTGGACCCACAGGGTGAAGCAGTCCCTCCCTCCAGCTGCCCGAGCCCATGGCAG
CACCTGAGACAGCGTGAAGATGACCGAAGGAGTACCCTCCACCTCCTGCAGAGTGGAGATGAGAAAAAG
GTGAACCTGGTGTGGGGGACGCGCGTCTTGGGCTCACGATCCGAGGTGGAGCAGAGTACGGCCTTG
GCATTTACATCACTGGTGTGGACCCAGGCTCTGAAGCAGAGAGCAGCGGCTCAAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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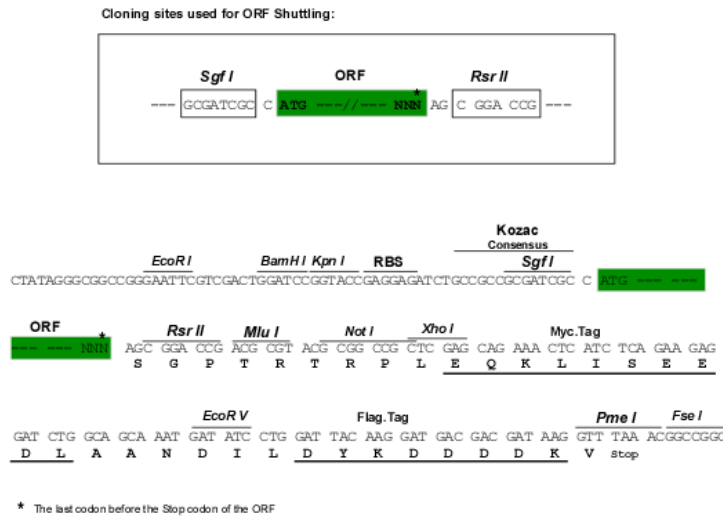
Protein Sequence: >MR229239 representing NM_001276371
 Red=Cloning site Green=Tags(s)

MNAQLDGLSVSSSTGSLGSAAAAGGGGAGLRLLSANVRQLHQALTALLSEPEREQFTHCLNAYHARR
 NVFDLVRTLRVLLDSPVKRRLPLMLRLVIPRSDQLLFDQYTAAGLYLPATTPYRQPAWAAPDGAGPGEVR
 LVSLRRAKAHEGLGFSIRGGSEHGVIYVSLVEPGSLAEKEGLRVGDQILRVNDKSLARVTHAEAVKALK
 GSKKLVLVSVSAGRIPGGYVTNHIYTWVDPQGRSTSPSSLPQPHGSTLRQREDDRRSTLHLLQSGDEKK
 VNLVLGDGRSLGLTIRGGAEYGLGIYITGVDPGSEAESSGLK

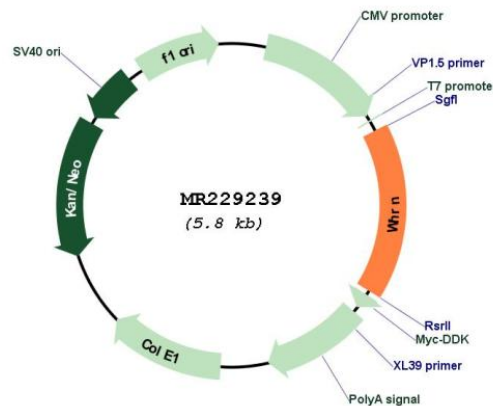
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001276371

ORF Size: 966 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_001276371.1 , NP_001263300.1
RefSeq Size:	2040 bp
RefSeq ORF:	969 bp
Locus ID:	73750
UniProt ID:	Q80VW5
Cytogenetics:	4 33.97 cM
MW:	34.8 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]