

Product datasheet for MR223640

Whrn (NM_001008798) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_001008798) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Whrn
Synonyms:	1110035G07Rik; AW122018; AW742671; bM340H1.8; C430046P22Rik; mKIAA1526; whirlinNT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223640 representing NM_001008798 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAATACATTAGACCTGGAAGGAACCGGTGAGACCACCCAGGGCAGCACCAACGCTCTCCCGGATG
TGTCTGTGGATGATGTCAAATCCCCCTCAGAAGATCTGCCTGGTATCAAGCCACCTCCTCCCCACCACC
CCTGGCTCAAGGTCATGACCGCTTGCTTGGCCAGCCACGGAAGCCAGGGAGGAGACCCCGCACCTCTG
TCTTCTGCTGCCACTCAGGCATTGTCTTCTCAGCACCACGGAACCGCAGCCCGCCAGGACTGCTC
CCACTCCGGGACCTTCTCAGCACAGGACTCTCCCTCCTCCCCATTTATGCCTCCATCTCCCATGCCAA
CCCCAGTTCCAGAAAGCCGCTGGACACCACCTGGCCCTGGTTAACCAGCACCCCATCGGCCCTTCCCT
CGAGTCCAGTCCCCACCTCACCTGAAGAGCCCTCCTGCAGAGACCCAGGAGCTGGGGCCTGCCTCCAC
CACCATCACCTCTGAACACCCTGACGCGTGGGTGCAAACCAGCACTTTGTTCTGGTGGAGGTGCACCG
TCCGGACAGTGAGCCTGATGTGAATGAAGTGGGGCTCTGCCAGACTCGCACAGCCTCCACACTCTCT
CAGCTCTCAGACAGTGGCAGACCCTGAGCGAGGACAGTGGCGTGGATGCCGGGAGACGGAGGCCAGCA
CCTCAGGCCGAGGAGACAGACAGCATCCGCTAAGAACAAGAATGGCAAGGAGCAGCCCCGGACGGAGAG
GACCGCGGAGGGTGCCAACAACCTCCCGCCTGCTGGAGCCAACGTCCACCCTGGTCCGTGTGAGGAAA
AGTGCAGCCACTGGGCATCGCAATTGAGGGCGGTGCCAACACAGCCAGCCTGCCCCAGGATCGTCA
CAATTCAGCGAGGAGTTCTGCCATAACTGTGGACAGCTCAAGGTGGCCACGTAATTCTGGAAGTGAA
TGGGCAGACACTTCGGGGTAAGGAGCACAGGAGGCCGCCGAATCATCGCTGAGGCCTCAAGACCAAG
GAGAGAGACTACATCGACTTTCTGGTCACTGAGTCAACGTGATGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223640 representing NM_001008798
 Red=Cloning site Green=Tags(s)

MENTLDLEGTGETTQGSTNALPDVSVDDVKSPSEDLPGIKPPPPPPPLAQGHDRLLGQPRKPGREDPAPL
 SSAAHSGIVFSAPRNRSPPPGTAPTGPSSAQDSPSSPIYASISHANPSSRKPLDTHLALVNQHPIGPFP
 RVQSPPHLKSPPAETPGAGACLPPSPSEHPDAVGANQHFVLEVHRPDEPDVNEVRALPQTRTASTLS
 QLSDSGQTLSEDSGVDAGETEASTSGRGRQTASAKNKGKEQPRTERTAEGANKPPGLLEPTSTLVRVRK
 SAATLGIAIEGGANTRQPLPRIVTIQRGSAHNCGQLKVGHVILEVNGQTLRGKEHKEAARIIEAFKTK
 ERDYIDFLVTEFNVML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001008798

ORF Size: 1098 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:

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_001008798.1](#), [NP_001008798.1](#)

RefSeq Size: 2869 bp

RefSeq ORF: 1101 bp

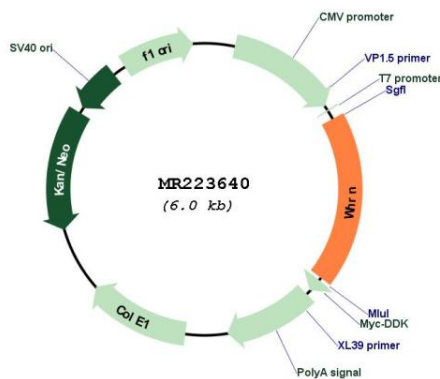
Locus ID: 73750

Cytogenetics: 4 33.97 cM

MW: 105.2 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 MR223640