

Product datasheet for **RN204762**

Whrn (NM_181088) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whrn (NM_181088) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Whrn
Synonyms:	Cip98; Dfnb31; Whrn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204762 representing NM_181088
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGCACAGCTGGACGGCCTGTCGGTGAGCTCGTCCACCGGCTCGCTGGGCTCGCGCGCGCGG
 CGGCGGGCGGGCGGGGGCGGGGCTGCGGCTGCTGTCTGCCAACGTGCGCCAGCTGCCACAGGCGCT
 CACGGCGCTGCTGAGCGAGCCGAGCGGGAGCAGTTCACTCACTGCTCAACCGTACCACGCGCGCCG
 AACGTCTTCGACCTGGTGCACCCCTGCGGCTCTGCTGGACAGCCCGTCAAGCGCGTCTGCTGCCA
 TGCTGCGTCTGGTCATCCCGGCTCCGACCAGCTGCTCTTCGACCAGTACACGGCCGAGGCGCTTACTT
 GCCCGCCACCACCCCTATAGGCAGCCCGCTGGGCGCTCCCGACGCGCGGGGCCGGGAGGTGCGG
 CTCGTGAGCCTGCGACGCGCAAGGCCACGAGGGCTTGGGCTTCAAGTCCGCGGGGCTCGGAGCAG
 GCGTGGGCATCTACGTGTCTAGTGGAGCCAGGCTCCCTGGCAGAGAAGGAAGGTTACGGGTCGGGA
 CCAGATTTGCGCGTCAACGATAAATCTTAGCCCGGGTACCCACGCGGAGGCTGTCAAGGCTCTCAAG
 GGCTCCAAGAAGTTGGTGTCTGTATACTAGCTGGGCGTATACCCGGGGGCTATGTCAACAACCACA
 TCTACACCTGGGTGGACCCCGAGGTCGAAGCAGTCCCTCCCTCCAGCCTTCCCATGGCAGCACCT
 GAGACAGCATGAAGATGATCGAAGGAGTGCCCTACACCTCCTGCAGAGTGGAGATGAGAAAAAGTGAAC
 CTGGTGTGGGGACGGCCGGTCTTGGGCTCACAATCCGAGGTGGAGCCGAGTACGGCCTTGGCATT
 ACATCACTGGTGTGGACCCGGGCTTGAAGCCGAAAGCAGCGGCTCAAGGTTGGGGACCAAGTCTGGA
 GGTGAACGGGCGGAGCTTCTCAGCATCTGCATGACGAGGCAGTGAAGTGTCAAGTCAATCCCGCAC
 CTCATCTGACCGTGAAGGACGTCGGGAGGCTGCCACGACAGTACCACCGTGGACCAAGTGAAG
 TCGCAGTTCGGGATCGGGAAAGCATCAACAACTCAGCAGGGTTCCAGGGACCTCACAGAAGAGG
 GACAAACAAGCCAGGATTTTACAAGGGCCAGCCGGCTCCAAGTGACCCTGAGCAGCCTGGGGAATCAG
 ACACGTGCACTGCTGGATGACCAAGCCCGCACCTGCTGACAGAGCAGGAGCGTCCACCATGATGTACT
 ACCTAGACCAGTACCGTGGTGGCACCATCTCTGTGGAGGCCCTGGTCATGGCGCTGTTTGTGTTGCTCAA
 CACACATGCCAAGTTCTCACTCTGTCTGAGGTGAGAGGCATCTCTACCCCAAGACCTGGACCGCTTC
 GACCACCTGGTGTGAGGCGGAGATCGAGTCCATGAAGGCGCGGAGCCCGGAGGCTGGTGTGCGGAG
 ACACCTATTCCATGGTATCTACAGTACACCGGCTCATCCACAGGCAGCCATGGCACCTCTACAACCGT
 CAGCTCAGCCAGGAGCGGCTGTGTGGCTCATAGACCTGATGGAGAATACATTAGACCTGGAGGGAACC
 TGTGAGACTACCAAGGCAGCACCAACGCTCTCCAGATGTGTCTGTGGACGATGTCAGATCTCCCTCGG
 AGGATCTGCCTGGCATCAAGCCACCTCTCCCCACCACCTCTGGCTCAAGGTACAGACCGCCTGCTTGG
 CCAGACTCGGAAGCCAGTGAAGGAGGACTCTGCACCTCTGTCTCCGCTGCCCACTCAGGCAATTGTCTTC
 TCAGCACACGGAATCGCAGCCCGCCGCGCGCGGGCATTGCACCCACACCCACTCCAGGACCTTCTCT
 CAGCAGGGACTCTCCCTCTCCCCATTTACGCCTCCATCTCCCATGCCAACCCAGCTCCAGGAAGCC
 GCTGGACACCCACCTGGCCCTGGTTAACAGCACCCATCGGCCCTTCCCTCGGGTCCAGTCCCAACCA
 CACCTGAAGAGTCTCTGCAGAGGCTCCAGGAGCTGGGCGCTGCCTTCCACCGCCATCACCTCTGAAC
 ACGTGTACGCCATGGGCGAAACCAGCACTTTGTCTGGTGGAGGTGCACCGTCCGGATAGTGAGCCGGA
 TGTGAACGAAGTGGGGCTCTACCCAGACTCGCACAGCCTCCACTCTCTCAGCTCTCAGACAGCGGG
 CAGACTCTAAGTGAGGACAGTGGCGTGGATGCTGGAGAGACAGAGGCCAGCACCTCAGGTGAGGAGAC
 AGACAGCAAACACTAAGAACAAGAAATGGCAAGGAGCTTCCCGACGAGAGGACCACAGAGGTTGCCAA
 CAAACCTCTGGCCTGCTGGAGCCAACGTCCACCTGATCCGTGTGAGGAAAAGCGCAGCCACTGGGC
 ATCGCCATTGAGGGTGGTCCAAACACACGCCAGCCTCTGCCAGGATCGTCACAATTCAGCGAGGAGTT
 CTGCCATAACTGTGGGAGCTCAAGGTGGGCCAGTGATTCTGGAAGTGAACGGGACAGACTTCGGGG
 TAAGGAGCACAGAGGCTGCCCGAGTCATCGCTGAGGCTTCAAGACCAAGGAGAGAGACTACATCGAC
 TTTCTGGTCACTGAGTTCAACGTGATGCT**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN:	NM_181088
Insert Size:	2763 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:	NM_181088.1 , NP_851602.1
RefSeq Size:	2763 bp
RefSeq ORF:	2763 bp
Locus ID:	313255
UniProt ID:	Q810W9
Cytogenetics:	5q24
Gene Summary:	interacts with calmodulin-dependent serine kinase Cask; may play a a role in synaptic transmission [RGD, Feb 2006]