

Product datasheet for **RC230579**

DFNB31 (WHRN) (NM_001173425) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DFNB31 (WHRN) (NM_001173425) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DFNB31
Synonyms:	CIP98; DFNB31; PDZD7B; USH2D; WI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230579 representing NM_001173425
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGCGCCGCTGGACGGCCTGTCGGTGAGCTCGTCCACCAGGCTCGTGGGCTCGCGGCCGGGG
 CGGGCGGCGGGGGCGGGGCTGCGGTTACTGTCTGCCAACGTGCGCCAGCTGCACCAAGCGCTGAC
 CGCGCTGCTGAGCGAGGCGGAGCGGGAGCAGTTACCCACTGCCTGAACGCTTACCACGCGCGCCGCAAC
 GTCTTCGACTGGTGCACCCCTGCGCGTGTGCTGGACAGTCCGGTCAAGCGGCGCCTGCTGCCATGC
 TTCGTCTGGTCATCCCGCGCTCCGACCAGCTGCTCTTCGACCAATACACGGCCGAGGGCCTCTACCTGCC
 CGCCACCACCCCTACAGGCAGCCCGCTGGGGCGGCCCGACAGCGGGGCCAGGGGAGGTGCGCCTG
 GTGAGTTTGGCGGTGCCAAGGCCACGAGGGCTTGGGCTTACGATCCGTGGGGCTCGGAGCACGGCG
 TGGGCATCTACGTGTCTGTTGGAACAGGCTCTAGCTGAGAAGGAAGGACTGCGGGTGGGGACCA
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 TCCAAGAAGCTGGTGTCTGTGTACTCAGCAGGGCGCATCCCTGGGGCTACGTACCAACACCATCT
 ACACCTGGGTGGACCCGAGGGCCGAGCATCTCCACCCCTCGGGCTGCCACGCCCCACGGTGGTGC
 CCTGAGGCAGCAGGAGGGTGACCGGAGGAGCACCTGCACCTCCTGCAAGGAGGGGATGAGAAAAAGGTG
 AACCTGGTGTGGGGGACGGCCGGTCCCTGGGCTCACGATCCGTGGGGGAGTGAGTACGGCCTTGGCA
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 CACCTCATCTGACAGTGAAGGACGTGGGAGGCTGCCCCATGCCCGACCACTGTGGACGAGACCAAGT
 GGATCGCCAGTCCCGGATCAGGAGACCATGGCGAACTCGGCAGGTTTCTTGGCGATTCACAACAGA
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 CGTCAGCTCGGCCAGAACACTCTGGACCTGGAGGAACTGGCGAGGCTGTCCAGGGCAATATCAACGCC
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 GCCCACCACCTCTGGCCCAAGGCAACGACCTCCCACTAGGCCAGCCAAGGAAGCTGGGGAGAGAGGACCT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230579 representing NM_001173425
 Red=Cloning site Green=Tags(s)

MNAPLDGLSVSSSTGSLGSAAGAGGGGAGLRLLSANVRQLHQALTALLSEAEREQFTHCLNAYHARRN
 VFDLVRTRLRVLLDSPVKRRLLPMLRLVIPRSDQLLFDQYTAEGLYLPATTPYRQPAWGGPDSAGPGEVRL
 VSLRRAKAHEGLGFSIRGGSEHGVIYVSLVEPGSLAEKEGLRVGDQILRVNDKSLARVTHAEAVKALKG
 SKKLVLSVYSAGRIPGGYVTNHIYTWVDPQGRSISPPSGLPQPHGGALRQQEGDRRSTLHLLQGGDEKKV
 NLVLDGDRSLGLTIRGGAEYGLGIYITGVDPGSEAEGLKVGVDQILEVNGRSFLNHLHDEAVRLLKSSR
 HLILTVKDVGRPLPHARTTVDETQWIASRRETMAINSAGFLGDLTTEGINKPGFYKGPAGSQVTLSLGN
 QTRVLLLEEQARHLLNEQEATMAYYLDYRGGSVSVEALVMALFKLLNTHAKFSLSEVRGTISPQDLER
 FDHLVLRREIESMKARQPPGPGAGDTYSMVSYSDTGSSTGSHGTSTTVSSARNTLDLEETGEAVQGNINA
 LPDVSVDVDRSTSQGLSSFKPLPRPPPLAQGNDLPLGQPRKLGREDLQPPSSMPSCSGTVFSAPQNRSP
 AGTAPTPTGSSAQLPSSPIYASVSPANPSSKRPLDAHLALVNQHPIGPFPRVQSPPHLKSPSAEATVAG
 GCLLPSPSGHPDQGTGNQHFVMVEVHRPDEPDVNEVRALPQTRTSTLSQLSDSQGLSEDSGVDAGEA
 EASAPGRGRQSVSTKSRSSKELPRNERPTDGANKPPGLEPTSTLVRVKKSAATLGIAIEGGANTRQPLP
 RIVTIQRGGSAHNCGQLKVGHVILEVNGLTRGKEHREAARIIEAFKTKDRDYIDFLVTEFNVML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

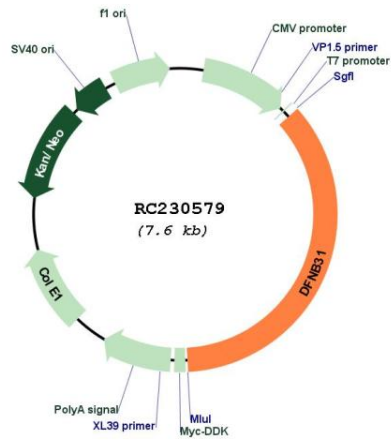
Cloning Scheme:



ACCN: NM_001173425

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_001173425.2
RefSeq ORF:	2721 bp
Locus ID:	25861
UniProt ID:	Q9P202
Cytogenetics:	9q32
MW:	96.9 kDa
Gene Summary:	This gene is thought to function in the organization and stabilization of stereocilia elongation and actin cytoskeletal assembly, based on studies of the related mouse gene. Mutations in this gene have been associated with autosomal recessive non-syndromic deafness and Usher Syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]

Product images:



Circular map for RC230579