

Product datasheet for **RR213642**

Daw1 (NM_001025025) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Daw1 (NM_001025025) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Daw1
Synonyms: Wdr69
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213642 representing NM_001025025
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGCTTAAGAGCCTCTTGCTTCGCTATTACCCACCAGGAATTATGCTGGAATATGAAAAGGCGGAG
AATTAAGACCAATCCATAGATTTACTTGAGCTCAGTCTAGTACTGATGTCAACACCCTAGTAGGAGA
GATCCAGAAAGTGGAGCCTCTGATCACAGCATCTCGGACAAAGCAAGTCAGACTCCTAGTCAGAGGCTT
CAGGAGAAACTCCGGCAGCATTGCGACCACAATTCTACCTGTTAAGGTTCTCAGAGCACACATATTGC
CCCTGACCAACGTGGCACTCAACAAAGCAGGCTCCTGTTTTATCACAGGAAGCTACGATCCGACATGCAA
GGTTTGGGACACAGCGTCTGGAGAGGAGCTGCACACCCTGGAAGGTCACAGGAATGTGGTCTATGCCATA
GCCTTCAACAATCCGTACGGTGACAAAATCGCCACAGGGTCTTTGACAAGACCTGTAACTCTGGAGTG
CTGAGACGGGAAAGTGTACCACACCTTCAGGGGCCACACAGCAGAGATCGTGTGTTTATCATTCAACCC
TCAGAGCACAGTGGTTGCCACGGGAAGTATGGATACGACGGCCAACTTTGGGACATTAGAGTGGAGAG
GAAGTGGTCACTTAACCGGTCATTTGGCAGAAATCATTTCTTGTCATTTGACACCTCAGGAGACAGAA
TCATCACAGGGTCTTTGACCACACAGTTGTAGTATGGGACGCTAGTACTGGAAGGAAGGTCACACTTT
AATTGGCCACTGTGCAGAGATCAGCAGCGCCCTGTTGAGCTGGGACTGCTCTAATACTAACCGGCTCT
ATGGACAAGACCTGCATGCTGTGGGATGCTACAAGTGGGAAATGTGTAGCAACATTAACAGGCCATGACG
ATGAGATCCTAGACAGCTGCTTTGACTACACTGGGAACTTATTGCAACAGCGTCTGCCGATGGAACAGC
AAGAGTTTACAATGCAACCACAAGAAAGTGCATAACCAAATGGAAGGCCATGAAGGAGAAATCTCAAAG
ATCTCTTTCAATCCCAAGGAAACCGGCTCCTGACAGGCAGCTCTGATAAGACAGCCAGAATCTGGGATG
TTCAGACTGGCCAGTGCCTCCAGGTCCTCGAGGGGCACACTGATGAAATATTTTCATGTGCTTTCAACTA
TAAAGGGAATATAGTCATTACAGGCAGCAAGACAATTCCTGCAGGATATGGCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213642 representing NM_001025025
 Red=Cloning site Green=Tags(s)

MKLKSLLLRYPPGIMLEYEKGGELKTKSIDLLELSPSTDVNTLVGEIQKVEPLITASRTKQVRLVQRL
 QEKL RQHCDHNFYLFKVLRAHILPLTNVALNKAGSCFITGSYDRTCKVWDTASGEELHTLEGHRNVVYAI
 AFNPNPYGDKIATGSFDTCKLWSAETGKCYHTFRGHTAEIVCLSFNPQSTVVATGSMDDTAKLWDIQSGE
 EVVTLTGH LAEIIISL SFDTSGDRIITGSFDHTVVVWDASTGRKVHTLIGHCAEISSALFSWDCSLILTGS
 MDKTCMLWDATSGKCVATLTGHDDDEILDSCFDYTGKLIATASADGTARVYNATTRKCITKLEGEHEIISK
 ISFNPQGNRLLTGSSDKTARIWDVQTGQCLQVLEGHTDEIFSCAFNYKGNIVITGSKDNSCRIWR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

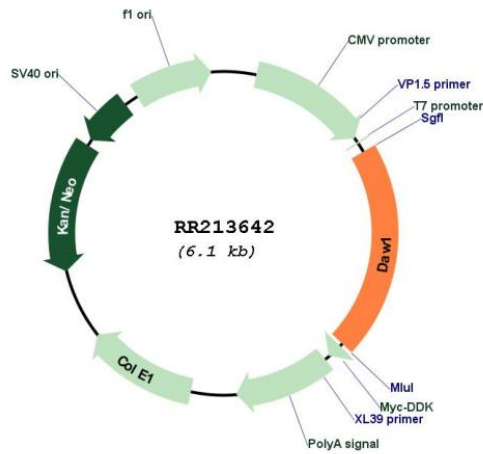
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025025

ORF Size:	1245 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_001025025.1 , NP_001020196.1
RefSeq Size:	1697 bp
RefSeq ORF:	1248 bp
Locus ID:	363267
UniProt ID:	Q5BK30
Cytogenetics:	9q34
MW:	45.9 kDa
Gene Summary:	May play a role in axonemal outer row dynein assembly.[UniProtKB/Swiss-Prot Function]