

Product datasheet for **RR214426**

Dcaf11 (NM_001009686) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcaf11 (NM_001009686) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcaf11
Synonyms:	Wdr23
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214426 representing NM_001009686
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGATCACGGAACAGCAGCAGCGCAGGATCCGGTCTTAGAACCCTCCGAGGGCTTGTCGCCGAAGAG
 GGGCTGGCTGCGTCGTAGTGAGGAAGAAGAAGAGGATGAAGATGTGGATCTGGCCAGGACTGCGC
 CTATCTCTCCGAGAGGCCAAGTGAGGTTGGTCAAGGTGGAGGTGCAGCAAATTTACAACCTATCCAG
 GCCCTCTCAGACTCAGAGGAAGAGCATGACAGTGCCTGGGACGGTGCCTTGGAGATCGATAACAACCAC
 CTGTGGATGCAACCCCTGACACCCGGGAGCTGGAGTACAATGAGATCAAACTCGGGTGGAAATGGCCAC
 GGGGCGGTAGGACTCGGGAGGACTGCTCAGGAGCATAGCTTCCCTCGAATGCTACACCAGAGAGAACGG
 GGCCTCTGCCACCGGGAAGCTTCTCCCTGGAGAACAGTCTCGAGTGATGTCTCACTTCTTGCCCAATG
 ATCTAAGCTTCACTGATACCTACTCTCAGAAGGCTTTCTGTGGCATCTACAGCAAAGATGGTCAAATCTT
 CATGTCCGCTTGCCAAGATCAAACAATCCGACTGTACGACTGTCCGTATGGCCGCTTCCACAAGTTAAA
 AGCATCAAGGCCGGGATGTAGGCTGGAGTGTCCCTGGATGTGGCCTTCACTCCTGATGGAACCCTTCC
 TGTACTCCAGCTGGTCTGACTACATTCATATCTGCAGCATCTATGGGGAAGGAGACACACACTGCCCT
 GGATTTAAGGCCAGATGAACGTCGCTTTGCTGTCTTTCCATTGCTGTCTCCTCAGATGGACGAGAAGTA
 CTAGGAGGAGCCAATGATGGCTGCCTTTATGTCTTTGACCGTGAACAAAACCGCGTACTCTTCCAGATTG
 AGTCTCATGAGGATGATGTGAATGCAGTGGCCTTTGCTGACATAAGTCCCAGATCCTGTCTCTGGGGG
 AGACGATGCCATCTGCAAAGTGTGGGACCGACGCCACCATGCGGGAGGATGACCCCAAGCCTGTGGGGCA
 CTGGCTGGCCACCAGGATGGCATCACCTTATTGACAGCAAGGGTATGCCCGGTATCTCATCTCCAAC
 TCAAAGATCAGACCATTAAGCTCTGGGATATCAGACGCTTTTCCAGCCGAGAAGGCATGGAAGCGTACG
 ACTGGCTGCCACACAGCAGAACTGGGACTATCGCTGGCAGCAGGTGCCCAAGAAAGCCTGGAAGAAGTTG
 AAGCTCCAGGTGACAGCTCCTTGATGACCTACAGAGGCCATGGAGTGTTCACACTCTGATCCGATGCC
 GATTCTCCCAGCCACAGCACGGGCCAGCAGTTCATCTACAGCGGCTGTTCTACTGGCAAAGTGGTTGT
 ATATGACCTCTTAAGCGGCCACATTGTGAAGAAGCTGACCAATCACAAGGCCTGTGTGCGTGATGTCAGT
 TGGCATCCCTTTGAAGAAAAGATTGTCAGCAGTTCGTGGGATGGGAGCCTACGCCTGTGGCAGTACCGCC
 AAGCTGAGTACTCCAGGATGACATGACCGAGTCTGACAGGAACAGAGTCTGTTCCAGTGGCCCTGCTCC
 GGTGCCCTGCCATCTGTGGCCTTTTCTCACCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214426 representing NM_001009686
 Red=Cloning site Green=Tags(s)

MGRNSSSAGSGSLEPSEGLSRRGAGLRREEEEEDEDVLAQVLAAYLLRRGQVRLVQGGGAANLQLIQ
 ALSDEEEHDSAWDGRLDGRYNNPPVDATPDTRELEYNEIKTRVELATGRLGLGRTAQEHSFPRMLHQER
 GLCHRGSFSLGEQSRVMSHFLPNDLSFTDTYSQKAFCGIYSKDGQIFMSACQDQTI RLYDCRYGRFHFKF
 SIKARDVGSVLDVAFTPDGNHFLYSSWSYIHCISYEGEDTHTALDLRPDERRFAVFSIAVSSDGREV
 LGGANDGCLYVFDREQNRRTLQIESHEDDVNAFAFADISSQILFSGDDAICKVWDRRTMREDDPKPVGA
 LAGHQDGITFIDSKGDARYLISNSKDQTIKLDWIRRFSSREGMEASRLAATQQNWDYRWQQVPKAWKKL
 KLPGDSSLMTYRHHGVLHLLIRCRFSPAHTGQQFIYSGCSTGKVVVYDLLSGHIVKKL TNHKACVRDVS
 WHPFEEKIVSSWDGSLRLWQYRQAEYFQDDMTESDRNRVCSGPAVPVPCPSVAFSSPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

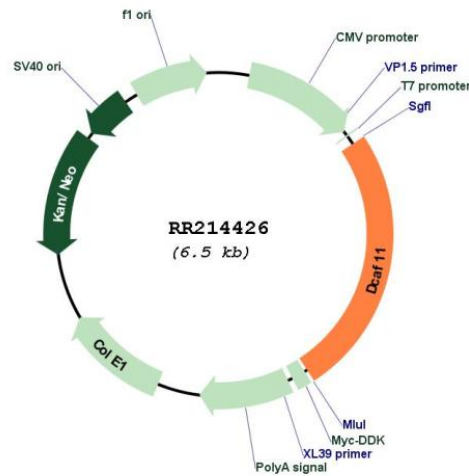
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001009686
ORF Size:	1647 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_001009686.2 , NP_001009686.1
RefSeq Size:	2614 bp
RefSeq ORF:	1650 bp
Locus ID:	305895
UniProt ID:	Q5M9G8
Cytogenetics:	15p13
MW:	61.9 kDa
Gene Summary:	May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex. [UniProtKB/Swiss-Prot Function]