

Product datasheet for **RC222673**

DCAF4L2 (NM_152418) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCAF4L2 (NM_152418) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCAF4L2
Synonyms:	WDR21C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222673 representing NM_152418 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAGCAAAAGACCGCGACTGCTCGAGGAAGCAGACAAGCAGAAAAAGACAGTCAGAGTGGGACTCA
 ATGCACCTTCCATGCTACGAAAGAACCAGCTAGGTTTCCTCAGATTCGCCAACTATTGCCGTATAGCTCG
 CGAGCTGCGTGAAGCTGCATGCAGAGGAAAAAGGTCCAGATTCATAGCTGGGATCCCTCCTCTTTGGCA
 AGCGACCGATTTAACCGCATACTGGCGAATAACCAACTGACCAGCTCTTCACAGTGAACCAAGTCGAAG
 CTGGAGGCTCCAAGTACGGCATCATACCATGCGAGGCCTGACGACCCCTGAGCTCCGGGTATACCCGCA
 CAAAACCTCTACGTCCCTAATCGGAAGGTGAATTCTATGTGCTGGGCCTCACTGAATCACTTGGATTCC
 CACCTTCTGCTGTGCTTCGTGGGACTTGCAGATACTCCAAGCTGTGCCGTGCTGCTCCCAGCGTCGCTGT
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 GTGTAACACAGTACGAAGGTGATGTGAATAACTCCGCTACCTACCCGTGCATGTGAACGAAGAAGAAGG
 AGTCGTGGCGGCCGTGGGCCAGGACTGTACACGAGAATCTGGAGCCTCCGTATGGCCACCTGCTCACA
 ACCATACCCTCCCCATACCCGCTCGGAGAACGACATTCACAGTGTGGCCTTCTCTTCTCGCCTCGGGG
 GCTTCGAGGAGCACCAGGGCTGCTCATGGCTGTCCGGGAGGACCTTTATTGTTTCTCCTACGGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC222673 representing NM_152418
Red=Cloning site Green=Tags(s)

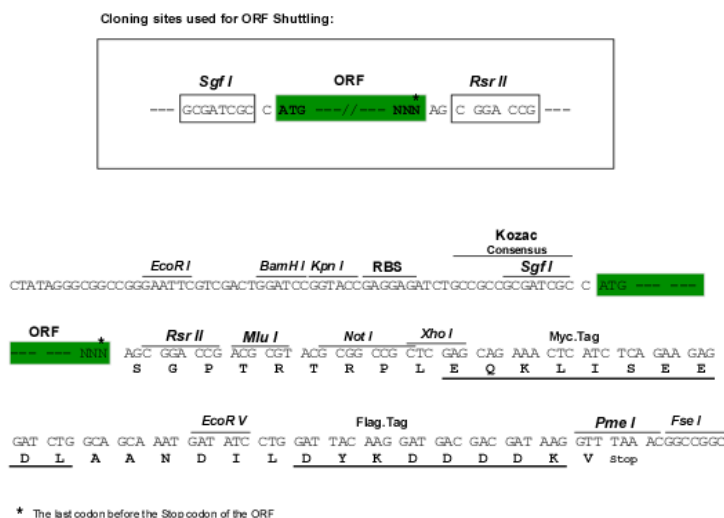
MESEKRPRLLEEADKQKKTVRVGLNAPSMRLKNQLGFLRFANYCRIARELRVSCMRKKVQIHSWDPSSLA
SDRFNRILANTNTDQLFTVNQVEAGGSKYGIITMRGLTTPELRVYPHKTLVYPNRKVNSMCWASLNHLDS
HLLLCFVGLADTPSCAVLLPASLFIGSFPMRRPGMLCSFQIPDAWSCAWSLSIHAYHSFSTGLSQQVLL
TNVVTGHQQSFGTSSDVLAAQFAIMTPLLFNRCRSGEIFGIDLRCGNQSGGWAICLSHDSAVTSLQILQ
DGQFLVSSDMGTIKLWDLRATKCCTQYEGHVNSAYPLVHVHNEEGVVAAGVQDCYTRIWSLRHGHLT
TIPSPYASENDIPSAVFSRRLGGFERGAPGLLMVREDIYCFESY

SGPTRRRL EOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8040_g04.zip

Restriction Sites: Sgfl-RsrII

Cloning Scheme:



ACCN: NM 152418

ORF Size: 1185 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152418.4](#)

RefSeq Size: 3320 bp

RefSeq ORF: 1188 bp

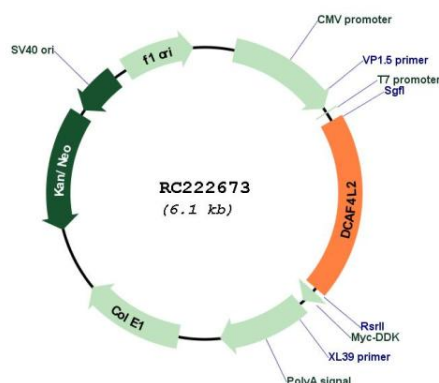
Locus ID: 138009

UniProt ID: [Q8NA75](#)

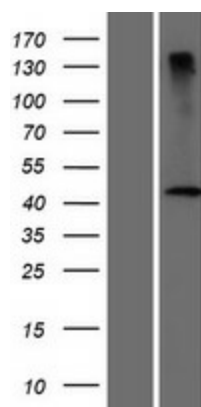
Cytogenetics: 8q21.3

MW: 43.6 kDa

Product images:



Circular map for RC222673



Western blot validation of overexpression lysate (Cat# [LY407549]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222673 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).