

## Product datasheet for **RC208716**

### **DCAF16 (NM\_017741) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DCAF16 (NM\_017741) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** DCAF16  
**Synonyms:** C4orf30  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC208716 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTCCTAGAAATCCCTCTCCTGACCACTTGTGAGAATCAGAAAGTGAGGAAGAAGAAAATATTAGTT  
ACCTAAATGAGAGTTCTGGGAAGAGTGGGATTCCTCTGAAGAAGAGGACTCTATGGTGCCCACTTATC  
GCCTCTTGAGAGTCTTGCTGGCAGGTTAAGTGCCTTTTAAAATATTCCACAACCTGGAAACCTTTAAAT  
CCTAATTCCTGGTTGATCATGCTAAACTGTTGGATCCAAGCACACCAGTCCATATACTTCGAGAGATAG  
GTCTAAGACTCTCCATTGTTCCATTGTGTCCCAAACCTGGAACCAATTCCTGAATGGCCCCCTCTGGC  
CTTTGTGGAGTCCCACCTTTTCAAAGCCTCTTACAAGTCCCAGCCGGCTCTCTAGAGATCATGCCACT  
CTAAATGGAGCACTGCAATTTGCCACCAACAGCTAAGCCGAACATTGAGTAGAGCCACTCCCATACCTG  
AATACCTAAAACAGATCCCTAATTCATGTGTTTCTGGGTGTTGCTGTGGCTGGCTGACTAAAACAGTTAA  
GGAAACAACCTCGTACTGAACCCATCAACACTACTTATTCTTACACTGACTTCCAAAAGGCAGTTAACAAA  
CTCCTAACTGCATCACTG

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208716 protein sequence  
 Red=Cloning site Green=Tags(s)

MGPRNPSPDHLSESESEEEEEISYLNNESSGEEWDSSEEDSMVNLSPLESLAWQVKLLKYSTTWKPLN  
 PNSWL YHAKLLDPSTPVHILREIGLRLSHCSHCVPKLEPIEPWPLASCVPPFQKPLTSPSRLSRDHAT  
 LNGALQFATKQLSRTL SRATPIPEYLKQIPNSCVSGCCGWLTKTVKETTTRTEPINTTYSYTFDFQKAVNK  
 LLTASL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6546\\_e10.zip](https://cdn.origene.com/chromatograms/mk6546_e10.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NM\_017741

ORF Size: 648 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.

**RefSeq:** [NM\\_017741.4](#)

**RefSeq Size:** 4548 bp

**RefSeq ORF:** 651 bp

**Locus ID:** 54876

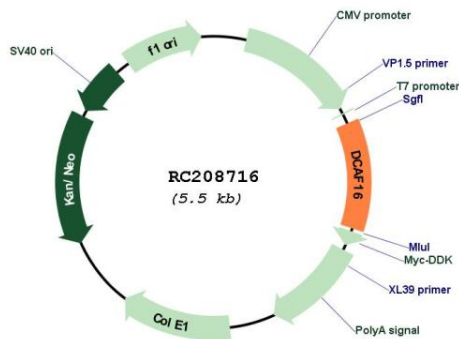
**UniProt ID:** [Q9NXF7](#)

**Cytogenetics:** 4p15.31

**MW:** 24.2 kDa

**Gene Summary:** May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC208716