

Product datasheet for **RC218860**

CDRT1 (NM_006382) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDRT1 (NM_006382) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDRT1
Synonyms:	C17ORF1; C17ORF1A; C17ORF1; FBXW10B; FBXW10P1; HREP; SM25H2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC218860 representing NM_006382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAAACCTGGAATCAAGGCTCAAGAATGCCCCCTATTTTCGTTGTGAGAAGGGAACCGATTCCATCC
 CTCTATGCCGGAAGTGTGAGACGCGTGTCTTAGCCTGGAAGATCTTCTCTACCAAAGAGTGGTTCTGCAG
 GATCAATGACATATCACAGAGGAGGTTTCTAGTTGGCATTCTGAAGCAGTTAAATAGCTTATATTTGTTA
 CACTATTTCCAAAATATCCTTCAGACCACAGGGAAAGGATTTTCATCTATAACAGGTCCCGGATCGACC
 TCAGCAAGAAAGAGGGGAAAGTTGTGAAGTCTCCTTGAACCAAATGTTGGATAAAAACAGTAGAACAGAA
 GATGAAAGAGATCTTGATTGGTTTGCGAACAGCACCCAGTGGACCAAGGCGAATTATACTCTCTTACTG
 CTGCAGATGTGCAACCCCAAATTACTGCTCACTGCTGCCAATGTGATCAGAGTCTGTTTCTGAGAGAGG
 AGAACAAATATCTCAGGGCTCAATCAAGACATCACAGATGTGTGTTTTCCCTGAGAAAGACCACAGCTC
 CAAGTCTGCGACCTCACAACTATTGGACAGCCAAAACCTCAGCACACATCCCTTCTTTGTCCAAAGCC
 CCAGAAAATGAACACTTCTTGGGGCAGCATCTAACCTGAGGAACCATGGAGGAATTCCTCCGGTGTA
 TATCCGAAATGAATAGGCTGTTTTCTGGAAAAGCAGACATAACCAAGCCAGGGTACGATCCCTGCAATCT
 ATGGTTGACCTGGATGACATCAGAGACCTGTCTTCTGGGTTAGCAAATACCGAGACTTCATCCGTTAC
 CTGCCATCCACCTCTCCAAGTACATTCTAAGAATGCTGGATAGACACACCCTGAACAAGTGCGCCTCTG
 TGAGCCAGCACTGGGCCGCCATGGCTCAACAGGTCAAGATGGACTTGTACAGCGCACGGCTTCATTAGAA
 CCAGATTACCTTCTTGCAGGGTCTATAACAAGAGGAATTGATCCTAATTATGCCAATAAGGTTTCTATC
 CCAGTTCTAAAATGGTAGATGACGGGAAGAGCATGCGTGTGAAACATCCGAAGTGAAGTTGAGAACGA
 AGAATGAGTACAACCTGTGGACTGCATACCAGAACGAGGAAACGCAGCAGGTCCTGATGGAGGAGAGAAA
 TGTTTTCTGTGGGACCTACAATGTTTCGATTCTCTCTGACACGTGGGATCAAACCGAGTCATCCACTAT
 TCCGGGGGAGATCTGATAGCTGTGCATCTAATCGAAAAGATCCATCTTCTGGACATCATACAAGTAAAG
 CGATACCCGTTGAATTCGAGGCCATGCTGGGAGTGTCCGGGCCCTTCTCTGTGTGAGGAGAAAACCTT
 TCTCCTAAGCGGGAGCTATGACCTAAGTATCAGATACTGGGATCTGAAAAGTGGGGTTTGCACACGAATC
 TTCGGTGGTCACCAGGGGACTATCACTTGCATGGACTTGTGAAGAACAGGCTCGTATCTGGAGGAAGAG
 ATTGCCAGGTAAGATGAGGATGTAGACACAGGGAAGTGCCTGAAGACGTTTAGACACAAAGACCCCAT
 CTTGGCCACCAGGATCAATGATACCTACATTGTGAGCAGCTGTGAGCGAGGGCTGGTAAAGTGTGGCAC
 ATTGCCATGGCCAGTTGGTAAAGACTCTCAGTGGCCACGAGGGAGCTGTGAAATGCCTGTCTTTGACC
 AGTGGCATCTCCTCTCAGGAAGCACTGATGGCCTGGTCTATGGCCTGGAGCATGGTGGGGAAGTACGAGCG
 CTGCCTGATGGCCTTCAAGCATCCCAAAGAGGTGCTCGACGTGTCCCTTCTTCTCCTCCGGTCAATCAGC
 GCCTGTGCAGATGGCAAGATCCGAATTTACAATTTCTTCAATGGGAACTGTATGAAGGTGATAAAAGCCA
 ATGGCAGAGGCGATCCTGTGCTGTCTTCTTTATTCAGGGCAACAGAAATTCAGTCTGCCACATCAGCAC
 ATTTGCTAAAAGAATTAACGTGGGATGGAATGGAATCGAACCAAGTGCTACAGCTCAGGGAGGAAATGCC
 TCCTTGACCGAGTGTGCTCATGTGAGACTCCACATCGCAGGACACTTACCAGCATCGAGGCTGCCCGTGG
 CCGCTGTCCAGCCATGACAGGGCGGATGGCCCAACACAGCTCCGACCCATGTGTTGGCAATGCTGAT
 CCTTTTCAGTGGTGTGACGCGT

ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218860 representing NM_006382
Red=Cloning site Green=Tags(s)

```

MENLESRLKNAPYFRCEKGTDSIPLCRKCETRLAWKIFSTKEWFCRINDISQRRFLVGILKQLNSLYLL
HYFQNILQTTQGKDFIYNRSRIDLSKKEGKVVKSSLNQMLDKTVEQKMKEILYWFANSTQWTKANYTLLL
LQMCNPKLLLLTAAVIRVLFREENNISGLNQDITDVCFSPEKDHSSKSATSQVYWTAKTQHTSLPLSKA
PENEHFLGAASNPEEPWRNSLRCSISEMNRLLSGKADITKPGYDPCNLLVDLDDIRDLSSGF SKYRDFIRY
LPITHLSKYILRMLDRHTLNKCAVSQHWAMAQQVKMDLSAHGFIQNQITFLQGSYTRGIDPNYANKVSI
PVPKMVDDGKSMRVKHPKWKLRTKNEYNLWTAYQNEETQQVLMERNVFCGTYNVRILSDTWDQNRVIHY
SGGDLIAVSSNRKIHLDDIIQVKAIPVEFRGHAGSVRALFLCEEENFLLSGSYDLSIRYWDLKSGVCTRI
FGGHQGTITCMDLCKNRLVSGGRDCQVKVVDVDTGKCLKTFRHKDPI LATRINDTYIVSSCERGLVKVWH
IAMAQLVKTL SGHEGAVKCLFFDQWHLLSGSTDGLVMAWSMVGKYERCLMAFKHPKEVLDVSLFLRVIS
ACADGKIRIYNFNGNCKMVIKANGRGPVLSFFIQGNRISVCHISTFAKRINVGWNGIEPSATAQGGNA
SLTECAHVRLHIAGHLPASRLPVAAVQPM TGGMAPTTAPTHVLAMLILFSGVTR
    
```

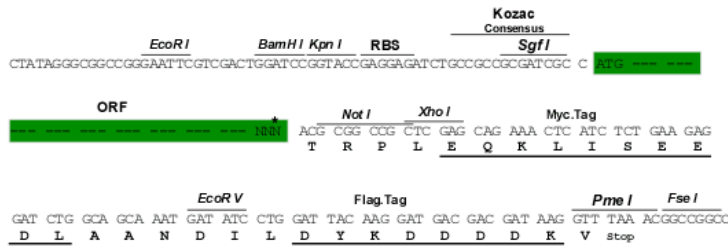
TRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8022_d12.zip

Restriction Sites: SgfI-NotI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_006382

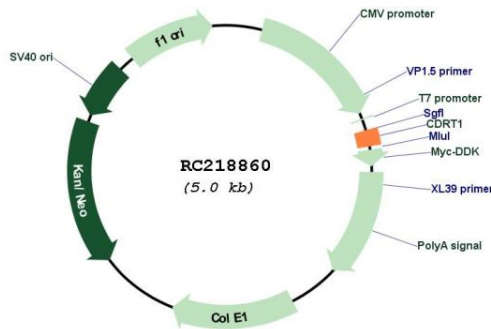
ORF Size: 2262 bp

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](#)

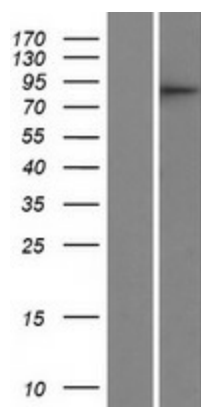
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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 Size:	2780 bp
RefSeq ORF:	2259 bp
Locus ID:	374286
UniProt ID:	<u>O95170</u>
Cytogenetics:	17p12
Domains:	WD40
MW:	85.6 kDa
Gene Summary:	Members of the F-box protein family, such as FBXW10, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603034), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC218860



Western blot validation of overexpression lysate (Cat# [LY416681]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218860 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).