

Product datasheet for **RC212645**

RFFL (NM_057178) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFFL (NM_057178) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RFFL
Synonyms:	CARP2; fring; FYVE-RING finger protein SAKURA; RIFIFYLIN; ring finger and FYVE-like domain containing 1; RNF34L; RNF189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212645 representing NM_057178 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGCAACCTGCTGCAACTGGTTCTGCCTGGATGGACAGCCTGAGGAGGTCCCACCACCCAGGGAG
CCAGGATGCAGGCCTATTCCAACCTGGGTACAGCTCCTTCCCTTCCCCAACAGGCTTGGAAACCAAGCTG
CAAGTCTGTGGGGCTCACTTTGCAAACACGGCCAGGAAGCAGACCTGCTGGACTGTAAGAAAAATTTT
TGCATGACCTGTTTCGAGCCAAGTAGGGAATGGGCCCGCCTCTGCCTTCTCTGCCAACGGTTTCGAGCTA
CAGCCTTTCAGCGAGAGGAGCTCATGAAGTGAAGGTGAAGGACTTGAGGGACTATCTCAGCCTCCATGA
CATCTCTACCGAAATGTGCCGGGAGAAAGAAGAGCTGGTGCTCTTGGTCTTGGCCAGCAGCCTGTAATC
TCCCAGGAGGACAGGACTCGTGCCTCCACCTTGTCCCCAGACTTTCCTGAGCAGCAGGCCTTCTGACCC
AGCCTCACTCCAGCATGGTTCACCTACCTCACCAACCTCCCCTTTCATCTGCACAAGCCACCTCTGT
TCCCCAGCCCAGGTTTCAGGAGAATCAGCAGGCCAATGGCCATGTGTCTCAGGATCAAGAGGAACCCGTC
TACCTGGAGAGCGTGGCCAGAGTACCTGCTGAGGATGAGACCCAGTCTATTGACTCAGAGGACAGCTTTG
TCCCAGGCCGAAGGGCCTCTCTGTCTGACCTGACTGACCTGGAGGACATTGAAGGCTGACAGTGGCGCA
GCTGAAAGAGATCTTGGCTCGCAACTTTGTCAACTACAAGGGCTGCTGTGAGAAGTGGGAGCTGATGGAG
AGAGTGACCCGGCTATAACAAGGATCAGAAAGGACTCCAGCACCTGGTCAAGTGGTCCGAAGACCAAAACG
GGGAGCAGTACCATCAGGCTTGGAGGAGAACCTGTGTAAGATCTGCATGGACTCACCCATTGACTGTGT
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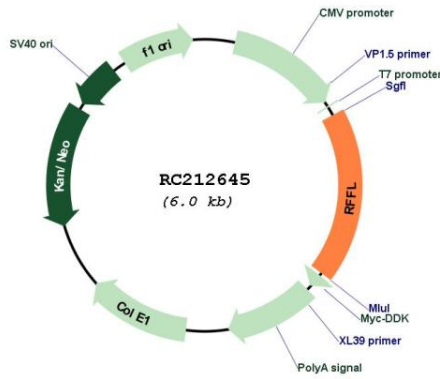
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



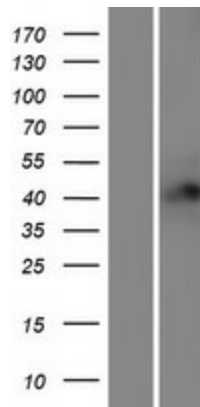
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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:	<u>NM_057178.3, NP_476519.1</u>
RefSeq Size:	4143 bp
RefSeq ORF:	1091 bp
Locus ID:	117584
Cytogenetics:	17q12
Protein Families:	Druggable Genome
MW:	40.3 kDa
Gene Summary:	<p>E3 ubiquitin-protein ligase that regulates several biological processes through the ubiquitin-mediated proteasomal degradation of various target proteins. Mediates 'Lys-48'-linked polyubiquitination of PRR5L and its subsequent proteasomal degradation thereby indirectly regulating cell migration through the mTORC2 complex. Ubiquitinates the caspases CASP8 and CASP10, promoting their proteasomal degradation, to negatively regulate cell death downstream of death domain receptors in the extrinsic pathway of apoptosis. Negatively regulates the tumor necrosis factor-mediated signaling pathway through targeting of RIPK1 to ubiquitin-mediated proteasomal degradation. Negatively regulates p53/TP53 through its direct ubiquitination and targeting to proteasomal degradation. Indirectly, may also negatively regulate p53/TP53 through ubiquitination and degradation of SFN. May also play a role in endocytic recycling.[UniProtKB/Swiss-Prot Function]</p>

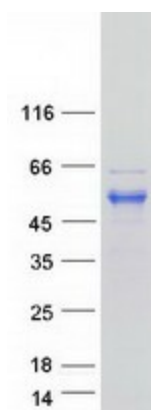
Product images:



Circular map for RC212645



Western blot validation of overexpression lysate (Cat# [LY409276]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212645 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RFFL protein (Cat# [TP312645]). The protein was produced from HEK293T cells transfected with RFFL cDNA clone (Cat# RC212645) using MegaTran 2.0 (Cat# [TT210002]).