

Product datasheet for **RC238497**

RPUSD2 (NM_001286407) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPUSD2 (NM_001286407) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RPUSD2
Synonyms:	C15orf19; C18B11; PUS9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238497 representing NM_001286407
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTGGACCGCGCGGATGGCTCAGGGTTCTTGACATTGGCGCTACGACCTTAGGCGCCCTAGCT
 TTACCAGGACTTGAGTGGCGATAAGGGCCCAATGGCAGAAACAGTGTCTACCCAGGTTGGGACAGAGGG
 CGGGCTGAGGGCTTCGCATCAGCAAAACGGTGACGCTGGTGGCGACGCGAAGGTTGAGCTGTCCCCCGGG
 CCCCCGAAGCCGGCTGGCCGGGAAGTGGAGCCGGCCCCAGTAGGCGGGGAGCATCCCTCGGCTGCAGCCC
 CAGGCCCGGGCAAGCATAAGAAGCGGGGGCGCAACCAGGGAGCGTGTCTGCCGCCCCGAAGAAGCG
 GCGGACCGGGGTGAGCTTCGGAGATGAGCACTTTCAGAAACAGTTATTACTTCGAGGGCGGCCTGCGT
 AAGGACAATGATTTCTTGCAGAACACAGTGCACAGGCATGAGCCACCAGTCACAGCAGAGCCCATTCGCC
 TGCTAGCTGAGAACGAAGATGTGGTGGTGTAGACAAGCCTTCCTCCATTCCCGTTACCCCTGTGGCCG
 CTTCCGACACAACACAGTTATCTTCATCCTAGGCAAGGAGCACCAACTCAAGGAGCTACACCCCTTGAT
 CGGCTTGACCGCCTTACCTCAGGGGTGCTTATGTTTGCCAAGACAGCTGCAGTCTCTGAGAGAATTCAG
 AGCAGGTTTCGGGACCGGAGCTGGAGAAGGAGTACGTGTGCCGGGTGGAAGGGGAGTTCCCCACTGAGGA
 AGTGACCTGTAAGAACCCTCTTAGTGGTGTCTTACAAAGTAGGGGTGTGCCGTGTAGATCCCCGGGGC
 AAGCCCTGTGAGACAGTGTTCAGAGGCTAAGCTACAATGGCCAGTCCAGTGTGGTACGGTGCCGGCCAC
 TCACAGGCCGCACACACCAGATTCGAGTCCACCTTCAGTTCTTGGGCCATCCCATTTCAACGACCCCAT
 CTACAACCTAGTTGCCTGGGGTCCTTCTCGAGGCCGGGGCGGTACATTCCCAAGACAAACGAGGAGTTG
 CTACGGGACCTGGTAGCAGAGCACCAGGCCAAACAGAGCCTGGATGTGCTAGATCTCTGTGAGGGTGACC
 TGTCCCCAGGACTCACAGACTCTACGGCCCCCTCCTCAGAGTTGGGCAAGGACGACCTGGAAGAGTTGGC
 TGCAGCTGCCCAGAAGATGGAGGAAGTAGCTGAGGCAGCCCTCAGGAGTTGGACACAATAGCCTTGGCA
 TCAGAGAAGGCAGTTGAAACAGATGTCATGAATCAAGAGACAGACCCACTCTGTGCAGAGTGCCGGCTGG
 TGCGACAGGATCCCTTGCCCCAAGACCTTGTGATGTTCTACATGCCCTACGCTATAAAGGGCCAGGCTT
 TGAGTACTTTTACCAATGCCTGCCTGGGCACAGGATGACTGGCAAAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238497 representing NM_001286407
 Red=Cloning site Green=Tags(s)

MWLDRRWLRVLGHWRYDLRRPSFTRTWSGDKGPMAETVSTQVGTGGLRASHQQNGDAGGDAKVELSPG
 PPKPAGREVAPVGGEHPSAAAPGPGKHKRRGATRERVVPPPKRRRTGVSFGEHFAETSYFEGGLR
 KDNDFLRNTVHRHEPPVTAEPRIALLAENEDVVVVDKPSSIPVHPCGRFRHNTVIFILGKEHQLKELHPLH
 RLDRLTSGVLMFAKTAAYSERIHEQVRDRQLEKEYVCRVEGEFPTTEVTCKEPILVVSYKVGVCVRVDPGR
 KPCETVFQRLSYNGQSSVRCRPLTGRTHQIRVHLQFLGHPILNDPIYNSVAWGSPSRGRGGYIPKTNEEL
 LRDVLAEHQAKQSLDVLDLCEGDLSPGLTDSTAPSELGKDDLEELAAAAQKMEEVAAAPQELDTIALA
 SEKAVETDVMNQETDPLCAECRLVRQDPLPQDLVMFLHALRYKGPGEYFSPMPAWAQDDWQKD

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001286407

ORF Size: 1452 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_001286407.1](#), [NP_001273336.1](#)

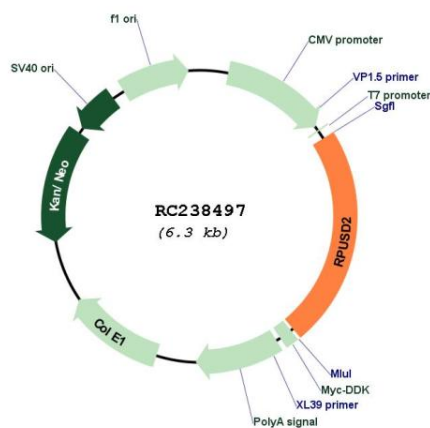
RefSeq Size: 1945 bp

RefSeq ORF: 1455 bp

Locus ID: 27079

UniProt ID: Q8IZ73
 Cytogenetics: 15q15.1
 MW: 54.5 kDa

Product images:



Circular map for RC238497