

Product datasheet for **RG204564**

RPUSD2 (NM_152260) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RPUSD2
Synonyms:	C15orf19; C18B11; PUS9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG204564 representing NM_152260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGGCTGGACCGCCGGATGGCTCAGGGTCTTGACATTGGCGCTACGACCTTAGCGCCCTAGCT
 TTACCAAGGACTTGAGTGGCGATAAGGGCCCAATGGCAGAAACAGTGTCTACCAAGGTTGGGACAGAGGG
 CGGGCTGAGGGCTTCGCATCAGCAAAACGGTGACGCTGGTGGCGACGCGAAGGTTGAGCTGTCCCCGGG
 CCCCCGAAGCCGGCTGGCCGGGAAGTGGAGCCGGCCCCAGTAGCGGGGAGCATCCCTCGGCTGCAGCCC
 CAGGCCCGGCAAGCATAAGAAGCGCGGGGCGCAACCAGGGAGCGTGTCTGCGCCCCCGAAGAAGCG
 GCGGACCGGGGTGAGCTTCGGAGATGAGCACTTTCAGAAACCAAGTTATTACTTCGAGGGCGGCGCTGCGT
 AAGGTGCGGCCCTATTACTTTGACTTCCGACCTACTGCAAAGGTCGCTGGGTGGGCCACAGCTTGTCTGC
 ACGTCTTCAGTACCGAGTTCGAGCTCAGCCCCTGGCCTACTATGAGGCCGCGGTCCGGGCGGGCCGCT
 GCAACTCAACGAGAAGCCGGTGCAGGACCTCAACATCGTGCTCAAGGACAATGATTTCTGCGGAACACA
 GTGCACAGGCATGAGCCACAGTCAAGCAGAGCCATTTCGCTGTAGCTGAGAACGAAGATGTGGTGG
 TTGTAGACAAGCCTTCTCCATTCCCGTTACCCCTGTGGCCGCTTCGACACAACACAGTTATCTTCAT
 CCTAGGCAAGGAGCACCAACTCAAGGAGCTACACCCCTTGCATCGGCTTGACCGCTTACCTCAGGGGTG
 CTTATGTTTGCCAGACAGTGCAGTCTCTGAGAGAATTCACGAGCAGGTTCCGGACCGGACGCTGGAGA
 AGGAGTACGTGTGCGGGTGGAAAGGGGAGTTCGCCACTGAGGAAGTGACCTGTAAAGAACCCTCTAGT
 GGTGTCTTACAAAGTAGGGGTGTCCGTGTAGATCCCCGGGGCAAGCCCTGTGAGACAGTGTTCAGAGG
 CTAAGCTACAATGGCCAGTCCAGTGTGTACGGTGCCGGCCACTCACAGGCCGACACACCAGATTCGAG
 TCCACCTTCAGTCTTGGGCCATCCATTCTCAACGACCCCATCTACAAGTGTGCTGGGGTCTTTC
 TCGAGGCCGGGGCGGCTACATTCCTCAAGACAAACGAGGAGTTGCTACGGGACCTGGTAGCAGAGCACCAG
 GCCAAACAGAGCCTGGATGTGCTAGATCTCTGTGAGGGTGACCTGTCCCCAGGACTCACAGACTCTACGG
 CCCCCTCTCAGAGTTGGGCAAGGACGACCTGGAAGAGTTGGTGCAGCTGCCAGAAGATGGAGGAAGT
 AGCTGAGGCAGCCCTCAGGAGTTGGACACAATAGCCTTGGCATCAGAGAAGGCAGTTGAACAGATGTC
 ATGAATCAAGAGACAGACCCACTCTGTGCAGAGTGCCGGCTGGTGCACAGGATCCCTTGCCCCAAGACC
 TTGTGATGTTCTACATGCCCTACGCTATAAAGGGCCAGGCTTTGAGTACTTTTACCAATGCCTGCCTG
 GGCACAGGATGACTGGCAAAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204564 representing NM_152260
 Red=Cloning site Green=Tags(s)

MWLDRRGWLRLGHWRDLRRPSFTRTWSGDKGPMETVSTQVGTGGRLASHQQNGDAGGDAKVELSPG
 PPKPAGREVAPVVGGEHPSAAAPGPGKHKRRGATRERVVPPPKRRTGVSFGEHFAETSYFEGGLR
 KVRPYFDFRTYCKGRWVGHSLLHVFSTEFRAQPLAYYEAARAGRLQLNEKPVQDLNIVLKDNDLRLNT
 VHRHEPPVTAEPRIALLAENEDVVVDKPSIPVHPCGRFRHNTVIFILGKEHQLKELHPLHRLDRLTSGV
 LMFAKTAAVSEIRIHEQVRDRQLEKEYVCRVEGEFPTTEVTCKEPILVVSYKVGVCVRVDPGKPCETVVFQR
 LSYNGQSSVVRCPRLTGRTHQIRVHLQFLGHPIIINDPIYNSVAWGSPSRGRGGYIPKTNHEELRLDLVAEHQ
 AKQSLDVLDLCEGDLSPGLTDSTAPSELGKDDLEELAAAAQKMEVAAAPQELDTIALASEKAVETDV
 MNQETDPLCAECRLVRQDPLPQDLVMFLHALRYKGPGEYFSPMPAWAQDDWQKD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152260

ORF Size: 1635 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_152260.3](#)

RefSeq Size: 1839 bp

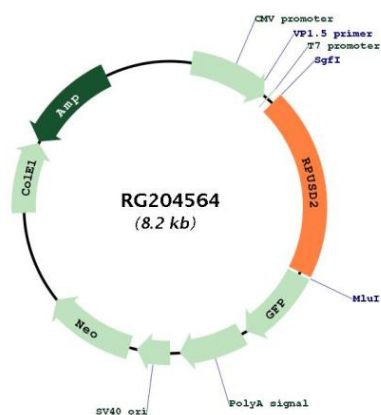
RefSeq ORF: 1638 bp

Locus ID: 27079

UniProt ID: [Q8IZ73](#)

Cytogenetics: 15q15.1

Product images:



Circular map for RG204564