

Product datasheet for **SC319599**

RPUSD3 (NM_173659) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: RPUSD3

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC (PS100020)

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_173659.2 GGCACGAGGAGATGGACGGCCGCCGTGTTTTGGGCCGTTCTGGAGTGGCTGGCGCGGG
GCCTGGGTGTCCGCCAGTGCCCGAGGACGACAGGCTTTGGCACCGAAGCCCGGCATCAGA
GGCAACCCCGCGGCTCTGCCAACGGTCGGGGCCCCCTCGGGGACCAGCCCTTCGCGGGGC
TGCTGCCAAAAACCTCAGTCGGGAGGAGCTGGTTGATGCGCTGCGGGCAGCCGTGGTGG
ACCGGAAAGGACCTCTAGTGACGTTGAACAAGCCACAGGGTCTACCAAGTACAGGAAAAAC
CAGGAGAGCTGACGTTGTTCTCAGTGCTGCCAGAGCTGAGCCAGTCCCTAGGGCTCAGGG
AGCAGGAGCTTCAGTTGTCCGAGCATCTGGGAAAGAAAGCTCTGGGCTTGACTCCTCT
CCAGCTGTCCCAGACAGCTAGTCGCCTCCAGAAGTACTTCACCCATGCACGGAGAGCCC
AAAGGCCACAGCCACCTACTGTGCTGTCAGTATGGGATCCCAGCTGCTTCTGAGGGGA
AGATCCAGGCTGCCTGAACTGGAACACATTGATGGGGTCAATCTCACAGTTCCAGTGA
AGGCCCATCCCCGAAAGGACATCCTGGAAGGTGCAAGAAGACTCTCAGTCACTTTCGTG
TGGTAGCCACAGGCTCTGGCTGTGCCCTGGTCCAGCTGCAGCCACTGACAGTGTCTCCA
GTCAACTACAGGTGCACATGGTACTACAGCTCTGCCCTGTGCTTGGGGACCATGTACT
CTGCCCGTGTGGGCACTGCTGGGCCAGCGATTTCTGCTGCCAGCTGAGAACAACAAGC
CCCAAAGACAGGTCTGGATGAAGCCCTCCTCAGACGCCTCCACCTGACCCCTCCCAGG
CTGCCAGCTGCCCTTGACCTCCACCTACATCGGCTCCTTCTCCAGGACCAGGGCCA
GGGACACCCCTGTTGAGCTCCTGGCACCCTGCCCCCTATTCTCCAGGACCTACAGT
GCCTGGGGCTCCGCTTACAATAGTCTCCCTCTGTTCTGACCCCTCACACACTGGA
AAGTGAGGGTGGGGGCTCTGCAGTCAGACAAACCTAAGATCACATCCTGGACAGGCCACT
TGCTTGCTGTGTGGCATTGGGCAAGTAACCTTACCTCTCTGGACTGTGATAATAAAAGT
TCCTACCTCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_173659



OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_173659.2 , NP_775930.1
RefSeq Size:	1244 bp
RefSeq ORF:	1032 bp
Locus ID:	285367
UniProt ID:	Q6P087
Cytogenetics:	3p25.3
Gene Summary:	This gene encodes a protein that functions in the assembly of the mitochondrial ribosome by adding a pseudouridine group to 16S rRNA. Loss of this gene results in causes defects in mitochondrial protein production. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2017] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).