

Product datasheet for **SC325786**

RPUSD3 (NM_001142547) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: RPUSD3

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001142547, the custom clone sequence may differ by one or more nucleotides

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ATGCGCGCTGCTCCTGGCTCGGGAGATGGACGGCCCGCTGTTTTGGGCCGGTTCTGGAGT
GGCTGGCGGGCGGGCCCTGGGTGTCCGCCAGTGCCCGAGGACGCAGGCTTTGGCACCGAA
GCCCGGCATCAGAGGCAACCCCGCGGCTCCTGCCAACGGTCGGGGCCCTCGGGGACCAG
CCCTTCGCGGGGCTGCTGCCAAAAACCTCAGTCGGGAGGAGCTGGTTGATGCGCTGCGG
GCAGCCGTGGTGGACCGAAAGGAAAACAGGAGAGCTGACGTTGTTCTCAGTGCTGCCA
GAGCTGAGCCAGTCCCTAGGGCTCAGGGAGCAGGAGCTTCAGGTTGTCGAGCATCTGGG
AAAGAAAGCTCTGGGCTTGTACTCCTCTCCAGCTGTCCCAGACAGCTAGTCGCCTCCAG
AAGTACTTCACCCATGCACGGAGAGCCAAAGGCCACAGCCACCTACTGTGCTGTCACT
GATGGGATCCACAGTGCTTCTGAGGGGAAGATCCAGGCTGCCCTGAAACTGGAACACATT
GATGGGGTCAATCTCACAGTTCAGTGAAGGCCCATCCCGAAAGGACATCCTGGAAGGT
GTCAAGAAGACTCTCAGTCACTTTCTGTGGTAGCCACAGGCTCTGGCTGTGCCCTGGTC
CAGCTGCAGCCACTGACAGTGTCTCCAGTCAACTACAGGTGCACATGGTACTACAGCTC
TGCCCTGTGCTTGGGGACCACATGTACTCTGCCGTGTGGGCACTGTCTGGGCCAGCGA
TTTCTGCTGCCAGCTGAGAACAACAAGCCCCAAAGACAGGTCTGGATGAAGCCCTCCTC
AGACGCCTCCACCTGACCCCTCCAGGCTGCCAGCTGCCCTTGACCTCCACCTACAT
CGGCTCCTTCTCCAGGACCAAGGGCCAGGGACACCCCTGTTGAGCTCCTGGCACCACTG
CCCCCTATTCTCCAGGACCTACAGTGCCTGGGGCTCCGCTTACAA
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Restriction Sites: Please inquire

ACCN: NM_001142547

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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001142547.1, NP_001136019.1</u>
RefSeq Size:	1199 bp
RefSeq ORF:	1011 bp
Locus ID:	285367
UniProt ID:	<u>Q6P087</u>
Cytogenetics:	3p25.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p>