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Product datasheet for SC102075

RPUSD3 (BC032135) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPUSD3 (BC032135) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPUSD3
Synonyms:	AI527266; MGC29784; OTTMUSP00000028769; RNA pseudouridylate synthase domain containing 3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC032135, the custom clone sequence may differ by one or more nucleotides

ATGGACGGCCGCCGTGTTTTGGGCCGGTTCTGGAGTGGCTGGCGGCGGGGCCTGGGTGTCCGCCCAGTGC
CCGAGGACGCAGGCTTTGGCACCGAAGCCCGGCATCAGAGGCAACCCCGCGGCTCCTGCCAACGGTCGGG
GCCCCTCGGGGACCAGCCCTTCGCGGGGCTGCTGCCAAAAAACCTCAGTCGGGAGGAGCTGGTTGATGCG
CTGCGGGCAGCCGTGGTGGACCGGAAAGGACCTCTAGTGACGTTGAACAAGCCACAGGGTCTACCAGTGA
CAGGAAAACCAGGAGAGCTGACGTTGTTCTCAGTGCTGCCAGAGCTGAGCCAGTCCCTAGGGCTCAGGGA
GCAGGAGCTTCAGGTTGTCCGAGCATCTGGGAAAGAAAGCTCTGGGCTTGTACTCCTCTCCAGCTGTCCC
CAGACAGCTAGTCGCCTCCAGAAGTACTTCACCCATGCACGGAGAGCCCAAAGGCCCACAGCCACCTACT
GTGCTGTCACTGATGGGATCCCAGCTGCTTCTGAGGGGAAGATCCAGGCTGCCCTGAAACTGGAACACAT
TGATGGGGTCAATCTCACAGTTCCAGTGAAGGCCCCATCCCGAAAGGACATCCTGGAAGGTGTCAAGAAG
ACTCTCAGTCACTTTCGTGTGGTAGCCACAGGCTCTGGCTGTGCCCTGGTCCAGCTGCAGCCACTGACAG
TGTTCTCCAGTCAACTACAGGTGCACATGGTACTACAGCTCTGCCCTGTGCTTGGGGACCACATGTACTC
TGCCCGTGTGGGCACTGTCCTGGGCCAGCGATTTCTGCTGCCAGCTGAGAACAACAAGCCCCAAAGACAG
GTCCTGGATGAAGCCCTCCTCAGACGCCTCCACCTGACCCCCTCCCAGGCTGCCCAGCTGCCCTTGCACC
TCCACCTACATCGGCTCCTTCTCCCAGGCACCAGGGCCAGGGACACCCCTGTTGAGCTCCTGGCACCACT
GCCCCCTTATTTCTCCAGGACCCTACAGTGCCTGGGGCTCCGCTTACAATAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for BC032135 unedited
NGGGGTCCCATTAGTATACTATCACTATAGGCGGCCGCGAATTCGCACGAGGGCTCGGGA
GATGGACGGCCGCCGTGTTTTGGGCCGGTTCTGGAGTGGCTGGCGGCGGGGCCTGGGTGT
CCGCCCAGTGCCCGAGGACGCAGGCTTTGGCACCGAAGCCCGGCATCAGAGGCAACCCCG
CGGCTCCTGCCAACGGTCGGGGCCCCTCGGGGACCAGCCCTTCGCGGGGCTGCTGCCAAA
AAACCTCAGTCGGGAGGAGCTGGTTGATGCGCTGCGGGCAGCCGTGGTGGACCGGAAAGG
TGAGGGGTGAGAGGCACGGCCGCACAAGGACCGGGAGGGGACTGCCTCGGCGTGCAGTTG
GGCTCTCCATTGAAGCCACGGGATCAGCCCTGCTTCTGCCTCCCACTAGCAGCATGAGCT
GGGACAAGCCACCTAATTTGCACCCTCTCCCCGCTTTTAACCCTACTGCCATGATGCAGT
AGGGTTAAGAGTGGGGAGAAGATGCAAATAACTACCGAGCCTTGCACATAGCCGGCGCTC
AGTTACGGGAGTTGCTATACTAGATTATTGTTTATTGGCCGCGGTGGCTCACGCCTGTAA
TCCCGGCACTTTAAGGTGCTGACGCGGGCGGATCACCTGAAGTCACGAGTTCGAGACTAG
CCTGGCCAACATGGTGAAACCCCGTCTCTACTAAAAACACAAAAAATAGCCCACGTGTGG
CGGCGGTCCGCCTGTTATCCCCAGCTACTTCGGGAAGGCTGACGGCAGTAANATCACTTT
GAACCCCGATAGCATATGTTGCAGTGAAGCCGACATTGTGGCTACTGCGCGTCCACCCTG
GGATGACAGAGCAAGACTCAATCTAAATAATTAATAACTAACTATGGTTTTTTTATCGCC
GCACAAA

Restriction Sites: NotI-NotI

ACCN: BC032135

Insert Size: 2500 bp

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).

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.

RefSeq: BC032135.2, AAH32135.1

RefSeq Size: 1218 bp

RefSeq ORF: 1032 bp

Locus ID: 285367

Cytogenetics: 3p25.3

Domains: PseudoU_synth_2

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]