

Product datasheet for **SC320296**

QRSL1 (NM_018292) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	QRSL1 (NM_018292) Human Untagged Clone
Tag:	Tag Free
Symbol:	QRSL1
Synonyms:	COXPD40; GatA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018292.2
GACAATTAAGATGGCTGCGCCCATGTAACATCACTAGCGACCGGTGACCTCTTTTTCCC
CCTTGCTGGCTCCTGTGGTGGCAGGCTGGGCACGAGGACCATGCTGGGCCGGAGCCTCC
GAGAAGTTTCTGCGGCACTGAAACAAGGCCAAATTACACCAACAGAGCTCTGTCAAAAAT
GTCTCTCTCTTATCAAGAAGACCAAGTTTCTAAATGCCTACATTACTGTGTCAGAAGAGG
TGGCCTTAAAAACAAGCTGAAGAATCAGAAAAGAGATATAAGAATGGACAGTCACTTGGG
ATTTAGATGGAATTCCTATTGCAGTAAAAGACAATTCAGCACTTCTGGCATTGAGACAA
CATGTGCATCAAATATGCTGAAAGGTTATATACCACCTTATAATGCTACAGTAGTTCAGA
AGTTGTTGGATCAGGGAGCTCTACTAATGGGAAAAACAAATTTAGATGAGTTTGCTATGG
GATCTGGGAGCACAGATGGTGTATTTGGACCAGTTAAAAACCCCTGGAGTTATTCAAAAC
AATATAGAGAAAAGAGGAAGCAGAATCCCCACAGCGAGAATGAAGATTCAGACTGGCTGA
TAACTGGAGGAAGCTCAGGTGGGAGTGCAGCTGCTGTATCGGCGTTCACATGCTACGCGG
CTTTAGGATCAGATACAGGAGGATCGACCAGAAATCCTGCTGCCCACTGTGGGCTTGTG
GTTTCAAACCAAGCTATGGCTTAGTTTCCCGTCATGGTCTCATTCCCCTGGTGAATTCGA
TGGATGTGCCAGGAATCTTAACCAGATGTGTGGATGATGCAGCAATTGTGTTGGGTGCAC
TGCCCGGACCTGACCCCAAGGACTCTACCACAGTACATGAACCTATTAATAAACCAATTCA
TGCTTCCCAAGTTTGGCAGATGTGAGCAAACTATGTATAGGAATCCAAAGGAATATCTTG
TACCGGAATTATCAAGTGAAGTACAGTCTCTTTGGTCCAAAGCTGCTGACCTCTTTGAGT
CTGAGGGGGCCAAAGTAATTGAAGTATCCCTTCTCACACCAGTTATTCAATTGTCTGCT
ACCATGTATTGTGCACATCAGAAGTGGCATCGAATATGGCAAGATTTGATGGGCTACAAT
ATGGTCACAGATGTGACATTGATGTGTCCACTGAAGCCATGTATGCTGCAACCAGACGAG
AAGGGTTAATGATGTGGTGAGAGGAAGAATTCTCTCAGGAACTTTTTCTTATTTAAAG
AAAAATGAAAAATTATTTGTCAAAGCACAGAAAGTGAGACGCCTCATTGCTAATGACT
TTGTAAATGCTTTAACTCTGGAGTAGATGTCTTGCTAACTCCCAACCTTGAGTGAGG
CAGTACCATACTTGAGTTCATCAAAGAGGACAACAGAACCCGAAGTGCCAGGATGATA
TTTTTACACAAGCTGTAATATGGCAGGATTGCCAGCAGTGAGTATCCCTGTTGCACTCT
CAAACCAAGGGTTGCCAATAGGACTGCAGTTTATTGGACGTGCGTTTTGTGACCAGCAGC
TTCTTACAGTAGCCAAATGGTTTGAAAAACAAGTACAGTTTCTGTTATTCAACTTCAAG
AACTCATGGATGATTGTTTGCAGTCTCTGAAAAATGAAAAGTTAGCCTCTGTCTCTTAA
AACAGTAAACATATCTTACAAATTTAAATGACTTTTAGGCTGGGTGCAGTGGCTCACACC
TGTAATCCAGCACTTTGGGAGGCCAAGCGAGCGGATCATGAGGTGAGAAGATCTAGAA
CAGCCTGGTCAACATGGTGAAACCCGTCTCTACTAAAAATACAAAAATTAGCCAGGCTT
AGTGGCGGGCATCTGTAGTCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATCACTTGAAC
CCTGGAGGTGGAGGTTGCAGTGAGCCGAGATCATGCCACTGCACTGCACTCCAGCCTGGG
TGACAAAGCAAGACTGTGTCTCAAAATAAATAAAATAAAATAAAATAAAATGACGTACAGA
AAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_018292

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.
RefSeq:	<u>NM_018292.2, NP_060762.2</u>
RefSeq Size:	3244 bp
RefSeq ORF:	1587 bp
Locus ID:	55278
UniProt ID:	<u>Q9H0R6</u>
Cytogenetics:	6q21
Domains:	Amidase
Gene Summary:	Allows the formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in the mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln).[UniProtKB/Swiss-Prot Function]