

Product datasheet for SC111301

CRLS1 (NM_019095) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRLS1 (NM_019095) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRLS1
Synonyms:	C20orf155; CLS; CLS1; dj967N21.6; GCD10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111301 sequence for NM_019095 edited (data generated by NextGen Sequencing)

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ATGCTAGCCTTGCGCGTGGCGCGCGGCTCGTGGGGGGCCCTGCGCGGCGCCGCTTGACT
CGGGAAACGCGGCGAGTAAGCGACGCGCTGCTGGGCCCTGCTGCCGCCGTGCCCTGC
TGCTTGGGCTGCCTGGCCGAACGCTGGAGGCTGCGTCCGCGCGCTTGGCTTGGGCTG
CCCGGGATCGGCCAGCGGAACCACTGTTTCGGGCGCGGGGAAGGCGGCTCCAGGCCAGCG
GCCGGAGCGGGCGCGCTGCCGAAGCCCCGGGCGGCCAGTGGGGCCCGGCGAGCACCCCC
AGCCTGTATGAAAACCCATGGACAATCCCGAATATGTTGTCAATGACGAGAATTGGCTTG
GCCCCAGTTCTGGGCTATTTGATTATTGAAGAAGATTTAATATTGCACTAGGAGTTTTT
GCTTTAGCTGGACTAACAGATTTGTTGGATGGATTTATTGCTCGAACTGGGCAATCAA
AGATCAGCTTTGGGAAGTCTCTTGATCCACTTGCTGATAAAAATACTTATCAGTATCTTA
TATGTTAGCTTGACCTATGCAGATCTTATTCCAGTTCTACTTACTTACATGATCATTTCC
AGAGATGTAATGTTGATTGCTGCTGTTTTTATGTCAGATACCGAACTCTTCCAACCA
CGAACACTTGCCAAGTATTTCAATCCTTGCTATGCCACTGCTAGGTTAAAACCAACATTC
ATCAGCAAGGTGAATACAGCAGTCCAGTTAATCTTGGTGGCAGCTCTTTGGCAGCTCCA
GTTTTCAACTATGCTGACAGCATTTATCTTCAGATACTATGGTGTTTTACAGCTTTCACC
ACAGCTGCATCAGCTTATAGTTACTATCATTATGGCCGAAGACTGTTTCCAGGTGATAAAA
GACTGA

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Clone variation with respect to NM_019095.4
58 g=>a;578 c=>t



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_019095 unedited AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGGGGTGTGTAAAGTAGT ATGGAGGCAGCGGTAGCCAGTGTCTGAGTGGTTGCCGGGTCTCCATGGAGAAGCGGCTC GCCAGTGTCCCAGGCTGCTGAGCTCTCGCCGCCGAGACCCCGCGGCGCGCCGAGGGC CATGCTAGCCTTGCGCGTGGCGCGGGCTCGTGGGGGGCCCTGCGCGGCGCCGCTTGGAC TCCGGGAACGCGGCCGAGTAAGCGACGCGCCTGCTGGGCCCTGCTGCCGCCGTGCCCTG CTGCTTGGGCTGCCTGGCCGAACGCTGGAGGCTGCGTCCGGCCGCTCTTGGCTTGGCGT GCCCGGATCGGCCAGCGGAACCACTGTTCCGGCGCGGGGAAGGCGGCTCCCATGCCAGC GGCCGGAGCGGGCGCCGCTGCCGAAGCCCGGGCGGCCAGTGGGGGCCCGCGAGCACCC CCCAGCCTGTATGAAAACCCATGGACAATCCCGAATATGTTGTCAATGACGAGAATTGGC TTGGCCCCAGTTCTGGGCTATTTGATTATTGAAGAAGATTTTAATTGCACTNAGGAG TTTTGCTTAGCTGGACTAACAGATTTGTTGGATGGATTATTGCTCGAACTGGGCAAT AAAAAACAGCTTTGGGAAGGGCTCTTGACCCACTGGCTGATAAAATACTATCAGTATCCT ATATGTTAGCTTGACCTATGCAGATCTTATTCCAGGTCTACCTAACTTACATGAACATTT CCAAGAGAAGNATGTTGGATTGCCGCTGTTTTTATGCCAAATACCGGTCTTTTCCAACA CCACGACACTTGCCAAGATTTAATCCTTTGCTTGCCCTGGTAGGGTAAACCAACTTCT CCGAGGGGAATCCGGTCCAGTTATTTGGGGCGTTCTTTGAATCCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_019095
Insert Size:	2940 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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.
RefSeq:	NM_019095.3 , NP_061968.1
RefSeq Size:	1162 bp

RefSeq ORF:	906 bp
Locus ID:	54675
UniProt ID:	Q9UJA2
Cytogenetics:	20p12.3
Domains:	CDP-OH_P_transf
Protein Families:	Transmembrane
Protein Pathways:	Glycerophospholipid metabolism, Metabolic pathways
Gene Summary:	<p>This gene encodes a member of the CDP-alcohol phosphatidyltransferase class-I family of proteins. The encoded enzyme catalyzes the synthesis of cardiolipin, a phospholipid component of mitochondrial membranes that is critical for mitochondrial function. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: This variant (1) uses an alternate first exon which contains the translation initiation site. The resulting protein isoform (1) has a distinct N-terminus.</p>