

## Product datasheet for **SC322890**

### CRLS1 (NM\_001127458) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRLS1 (NM_001127458) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRLS1
Synonyms:	C20orf155; CLS; CLS1; dj967N21.6; GCD10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322890 representing NM_001127458. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCACAGTATGAAAACCCATGGACAATCCCGAATATGTTGCAATGACGAGAATTGGCTTGGCCCCA
GTTCTGGGCTATTTGATTATTGAAGAAGATTTTAAATTGCACTAGGAGTTTTTGCTTTAGCTGGACTA
ACAGATTTGTTGGATGGATTTATTGCTCGAACTGGGCCAATCAAAGATCAGCTTTGGGAAGTGCTCTT
GATCCACTTGCTGATAAAATACTTATCAGTATCTTATATGTTAGCTTGACCTATGCAGATCTTATTCCA
GTTCCACTTACTTACATGATCATTTTCGAGAGATGTAATGTTGATTGCTGCTGTTTTTATGTCAGATAC
CGAACTTCCAACACCACGAACACTTGCCAAGTATTTCAATCCTTGCTATGCCACTGCTAGGTTAAAA
CCAACATTCATCAGCAAGGTGAATACAGCAGTCCAGTTAATCTTGGTGGCAGCTTCTTTGGCAGCTCCA
GTTTTCAACTATGCTGACAGCATTTATCTTCAGATACTATGGTGTTTTACAGCTTTCACCACAGCTGCA
TCAGCTTATAGTTACTATCATTATGGCCGGAAGACTGTTCAAGGTGATAAAAGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001127458
Insert Size:	609 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001127458.1</a></u>
<b>RefSeq Size:</b>	3667 bp
<b>RefSeq ORF:</b>	609 bp
<b>Locus ID:</b>	54675
<b>UniProt ID:</b>	<u><a href="#">Q9UJA2</a></u>
<b>Cytogenetics:</b>	20p12.3
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycerophospholipid metabolism, Metabolic pathways
<b>MW:</b>	22.6 kDa
<b>Gene Summary:</b>	<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 (2) uses an alternate first exon which contains the translation initiation site. The resulting protein isoform (2) has a short distinct N-terminus.</p>