

Product datasheet for MC204767

Crls1 (NM_001024385) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crls1 (NM_001024385) Mouse Untagged Clone
Tag: Tag Free
Symbol: Crls1
Synonyms: 0610009I22Rik; 4930557M15Rik; 5730490M08Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC048702

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GCCAGAGTGTAGAAATTAGTATGGAGCTGTCCATACGGCCTCGGCACCGCTCGACTTCTCTAGAGAAGCT
GGCAGCCGGTGCCAGGGCGTCTGAGTTCTCGACTCTTGGACTCCGTGGAGGCCACACGGCCATGTTGGC
TTGGCGCGTGGCGCGCGCGTGGGGCCCTCTTCGCGTGGCCCTCCGGCCTCCGGGGCGCGGCTCGGC
AGGGGCGGCTCCCGCAGGGCCCTGCTGCCGCCCGCGGCTGCTGCCTCGGCTGCCTGGCTGAGCGTGGC
GGCTGCGGCCGGCCGCTTGCCTTGGGCTGCCCGCGCCGGCCCGCGGACCCACTGCTCGGGCGCGGG
GAAGGCAGCCCCGAGCCCGCCCGGAGGAGGAGGTGCCCGCGCAGGCCCCAGCGCCCGATGGGTC
CCGGCGAGCGCCCGCAGCTCGTATGAAATCCATGGACAATCCCAAATTTGTTGCAATGACAAGAATTG
GCCTGGCCCCGTGTTGGGCTACCTGATTCTTGAAGAAGACTTTAATGTTGCACTAGGTGTTTTGCTTT
AGCCGGGTAACGATTTGTTGGATGGATTTATTGCTCGAACTGGGCCAACCAAAAATCAGCTTTGGGA
AGTGCTCTTGATCCACTTGTGATAAAGTTCTTATCAGCATCTTATATATTAGCTTGACCTATGCAGATC
TTATTCCAGTCCCACTTACTTACATGATAATTTCAAGAGATGTAATGTTGATCGCTGCTGTTTTATGT
CAGATACCGAACTCTGCCAACACCGCAACTAGCTAAGTACTTCAATCCTTGCTATGCCACGGCTAGG
TTAAAACCAACATTTCATCAGCAAGGTAATACAGCAGTCCAGTTAATTTGGTGGCAGCTCTTTGGCAG
CTCCAGTTTTCAATTAAGCTGACAGCATTTATCTTTCAGATACTATGGTGTTCACAGCATTCACTACAGC
TGCATCAGCATACAGTTATTCATCTATGGTCGAAAACCTGTTTCAGGTGATAAAGGGCAAATGAGAAGCA
CCCAGATCCAGCAGCAAGGAAGCAACTTCGTCATCGGCAGCAGCGCCAGCGAAAGCTACAGGACTTTCCT
GATCTTGGTGTTCAGCTTGCAGAAAGTCTTGTGACAGCAAAACCATGTCTTCAAACCTGAAGAAATGTACGG
CGAAAATAAGCTCGATCATGGGCCTATACAGAATTTCCAGTGTATTTTAAATACAAATAAACTATAAT
GTAGAATTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI
ACCN: NM_001024385
Insert Size: 912 bp



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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:	<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:	BC048702 , AAH48702
RefSeq Size:	1311 bp
RefSeq ORF:	912 bp
Locus ID:	66586
UniProt ID:	Q80ZM8
Cytogenetics:	2 F2
Gene Summary:	<p>Catalyzes the synthesis of cardiolipin (CL) (diphosphatidylglycerol) by specifically transferring a phosphatidyl group from CDP-diacylglycerol to phosphatidylglycerol (PG). CL is a key phospholipid in mitochondrial membranes and plays important roles in maintaining the functional integrity and dynamics of mitochondria under both optimal and stress conditions. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>