

Product datasheet for **SC322099**

LYRM7 (NM_181705) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYRM7 (NM_181705) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYRM7
Synonyms:	C5orf31; MC3DN8; MZM1L
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 SC322099
 GACTGCTCTGGAGGTAGCGGCCGCGGTGAGGAGAGCCATGGGACGGGCAGTCAAGGTTTT
 ACAGCTCTTTAAACACTGCACAGGACCAGACAACAAGTTTTTAAAAATGATGCCAGAGC
 ATTAGAAGCAGCCAGAATAAAGATAAATGAAGAATTCAAAAATAAAAAGTGAAACTTC
 TTCTAAGAAAAATAGAAGAGCTAATGAAAATAGGTTCTGATATTGAATTATTACTCAGAAC
 ATCTGTTATACAAGGTATTCACACAGACCACAATACACTGAAACTGGTCCCTAGGAAAGA
 CCTTCTTGTAGAAAAATGTGCCATATTGTGATGCACCAACTCAGAAGCAATGAGTTTTCTA
 GAATACAACAAGTCTTTGTACTTTTTAACTTTAAAATCTACAACCTCTGGCAAAAGTCCTG
 GAAATGCAGACATTTTCCCTGAACTGGCATATTGAAAATGAATGAATTACAGAATAGCTT
 CATATTTAAATTTTATGTTAAAAGGTCATTACTGAGAACTAAAGAACATAATTAAGTATT
 TCTAAAGGAAATTAGATAAGAAAACATTTTATTTCATTGAAAATCAAATTTTATAAAGC
 AAAGTAAATGCTTAGGGAGATATATTCAATCTTTGACCTTGATGAGTATTTGATCTTACC
 ATAGCTATTTGAGAATGTGGTCTTTTACAAATGGTGAGTTTTCTGCCATGTGAAATG
 CAATTATTACATTTAAATGTTAGATTAATGATATTTAGTCTGAAAAATATTAATTT
 GGTCAAAAAATCACAGTGTATGCCAGCTCTACAGAAAAGTGGCCTTTGTTTTCTAAAG
 CACTGGGATTATTTCTGTAGCTAATATATAATTGTACAGTTTCTTTTAGAGATAGAGAG
 TATCTCTGTGTTCTTATGAAGACATTTTTTATCAGCTTTCTGAAAATAGATGAATAAAAT
 ATTATAGTCACCTAGGGTCACTATGGAATAAGAAAATCCTAGTTTAAAGAGGAAATAGTG
 GCCCTTGATCAAATATTAATATGGCCTTAGTAGAATTAGCTGTATTTAGACAAAGTTA
 GACTTTAGTGTGAAATGTAATCGGTGGCTACATTTCTCATCGTTTTAATTAATGAACTTA
 AATGGCTTCTCTTCCACATGCTCCTGCTTGCCTTGACAAGATGGGCAGTATGACAAAAGGT
 CCTGGCATTCTACCATCTAACACTAGGAACTGAAAATACTGTTAATATTCTTCTGTT
 TCTCTTTTATCTGTGTATCTTTGCCATTCTATTTTCTCAGTGAATAGTATGTTTTCTCC
 ATTCAGTGATAAATTCTCTCATTGATGATGATACAGGGTTTTTAAATTTTGCAAGATTC
 TCAATGCAAGCATTGTTATGTATCTAGAAATTATACCTAGAGAAAAATGAAAGTCGTTTC
 AAATTTGAAATTTGCCCTTTAAGAGAATGCTGAATGTCATCGCAGTATATAATCACTAT
 ATAAATGTGCTGACTTACAGTTATTTTAGTGTCTATATGACATATTTGAGGAAAGTTGG
 CTGACGTTATTTAAATTAATATATATTCTATATTTTAGTGTTATTGAATATTTTATCAC
 TGAGCTTTTTTCTTAACTGAATTCCTGCTCCATTTTTCATTCATATTAATTTAAATA
 ACTCCAGATTTCTTTCTATAGTCATTATTAGTAGCAGATGAGATTAATAATTCACATGT
 TTATTAAGATAGTGGCTTAGAAAATTTAAGATATATTGATATAGCCCCGGCGCTGTGG
 CTCACACCTGTAGTCCCGCACTTTGGGAGGCTGAGGCGGGCAGATCACAAGGTCCGGGAGT
 TCGAGACCAGCCTGGCCAATGTGGTGAGACCCCATCTCTGCTAAGGACACAAAAATTAGC
 CAGGTGTGGTGGCGGGCCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAAAATCA
 CTTGAACCCGGGAGGTGGAGGTTGCAAGTGAAGTGTGCCACTGCACTCCAGCCTG
 GGGGACAGAGTGAGACTCTGTCTCAAAAAAAAAAAGAAAAAAAAAAGAAAAAAAAAAAA
 AAAA

Restriction Sites: Please inquire

ACCN: NM_181705

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:	<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:	<u>NM_181705.2</u> , <u>NP_859056.2</u>
RefSeq Size:	6213 bp
RefSeq ORF:	315 bp
Locus ID:	90624
UniProt ID:	<u>Q5U5X0</u>
Cytogenetics:	5q23.3-q31.1
Gene Summary:	<p>Inner mitochondrial membrane complex III (CIII) is the main enzyme complex in the mitochondrial respiratory chain, and Rieske Fe-S protein (UQCRFS1) is the last catalytic subunit added to the complex. The protein encoded by this gene is a nuclear-encoded mitochondrial matrix protein that stabilizes UQCRFS1 and chaperones it to the CIII complex. Defects in this gene are a cause of mitochondrial complex III deficiency, nuclear type 8. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>