

Product datasheet for SC333330

LYRM7 (NM_001293735) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYRM7 (NM_001293735) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYRM7
Synonyms:	C5orf31; MC3DN8; MZM1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333330 representing NM_001293735. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGGACGGGCAGTCAAGGTTTTACAGCTCTTTAAACACTGCACAGGACCAGACAACAAGTTTTTAA
 AATGATGCCAGAGCATTAGAAGCAGCCAGAATAAAGATAAATGAAGAATTCAAAAATAATAAAGTGAA
 ACTTCTTCTAAGAAAATAGAAGAGAACTGGTCCCTAGGAAAGACCTTCTGTAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001293735
Insert Size:	192 bp
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).


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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: NM_001293735.1

RefSeq Size: 6165 bp

RefSeq ORF: 192 bp

Locus ID: 90624

Cytogenetics: 5q23.3-q31.1

MW: 7.4 kDa

Gene Summary: Inner mitochondrial membrane complex III (CIII) is the main enzyme complex in the mitochondrial respiratory chain, and Rieske Fe-S protein (UQCRCF1) is the last catalytic subunit added to the complex. The protein encoded by this gene is a nuclear-encoded mitochondrial matrix protein that stabilizes UQCRCF1 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]

Transcript Variant: This variant (2) lacks an alternate exon compared to variant 1, that causes a frameshift. The resulting isoform (2) has a shorter and distinct C-terminus compared to 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.