

## Product datasheet for **SC326672**

### LYRM4 (NM\_001164841) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LYRM4 (NM_001164841) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYRM4
Synonyms:	C6orf149; CGI-203; COXPD19; ISD11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164841, the custom clone sequence may differ by one or more nucleotides ATGGCAGCCTCCAGTCGCGCACAAAGTGTATCTCTGTACCGGGCGATGCTGAGAGAGAGC AAGCGTTTCAGCGCCTACAATTACAGAACATATGCTGTCAGGAGGATAAGAGATGCCTTC AGAGAAAATAAAAATGTAAGGATCCTGTAGAAATTCAAACCCTAGTGAATAAAGCCAAG AGAGACCTTGGAGTAATTCGTCGACAGGTAGCTGAGCAAGGCACAGCCGCCAGGAGGAAG TCGGGGAACAGCAGCCGGAGCCTGGGGAAGCCCTGCACAAGTTGGCCT
Restriction Sites:	Please inquire
ACCN:	NM_001164841
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).



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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\\_001164841.1](#), [NP\\_001158313.1](#)

**RefSeq Size:** 1626 bp

**RefSeq ORF:** 291 bp

**Locus ID:** 57128

**UniProt ID:** [Q9HD34](#)

**Cytogenetics:** 6p25.1

**Gene Summary:** The protein encoded by this gene is found in both mitochondria and the nucleus, where it binds cysteine desulfurase and helps free inorganic sulfur for Fe/S clusters. Disruption of this gene negatively impacts mitochondrial and cytosolic iron homeostasis. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (3) includes an additional exon that results in an alternate 3' coding region and 3' UTR compared to variant 1. The encoded isoform (3) has a distinct, longer C-terminus compared to isoform 1.