

## Product datasheet for **SC113102**

### **LYRM4 (NM\_020408) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	LYRM4 (NM_020408) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYRM4
Synonyms:	C6orf149; CGI-203; COXPD19; ISD11
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113102 sequence for NM_020408 edited (data generated by NextGen Sequencing) ATGGCAGCCTCCAGTCGCGCACAAGTGTATCTCTGTACCGGGCGATGCTGAGAGAGAGC AAGCGTTTCAGCGCCTACAATTACAGAACATATGCTGTCAGGAGGATAAGAGATGCCTTC AGAGAAAATAAAAATGTAAAGGATCCTGTAGAAATTCAAACCCTAGTGAATAAAGCCAAG AGAGACCTTGGAGTAATTCGTCGACAGGTCCACATTGGCCAAGTATTCAACTGACAAG CTGATCATTGAGAATCGAGACATGCCAGGACCTAG  Clone variation with respect to NM_020408.4



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_020408 unedited            CATATTTATGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGACGCCTGG            CGCCGTCGCGATCCGACAGGCTGCCCGCTTAGGCTTAGGCCGCGCCGCTGGCAAAGCCG            AGCCGCAGCATTTTATTCGTTTCGTTGGTTCCGCACAGGCTGGAGTTTCGTGGTTGGGT            CGTACTTGGGACCTCGGCGAAGAGGACCCGTTATTTTTTTTTCTTTCCAAAATGGCAGC            CTCCAGTCGCGCACAAGTGTATCTCTGTACCGGGCGATGCTGAGAGAGAGCAAGCGTTT            CAGCGCTACAATTACAGAACATATGCTGTCAGGAGGATAAGAGATGCCTTCAGAGAAAA            TAAAAATGTAAAGGATCCTGTAGAAATCAAACCCTAGTGAATAAAGCCAAGAGAGACCT            TGGAGTAATTCGTCGACAGGTCCATCATTGGCCAACTGTATTCAACTGACAAGCTGATCA            TTGAGAATCGAGACATGCCAGGACCTAGCAAGCCGGGGACCAGCCACCAGTGGCGGCCA            GGGACCACCTTCAGCATCCACTCTCTGTTTGGCTGGGGCTCCAAAACCATCTTACAA            TAGCCTTTTGGCTGCCTGTCTGTGGGAGCTGATAAACCAAGTCACATTTGCATTCTGT            TGCAGGCTTAGTAAAAAGGACTGCTGTCTTCCCTTGGTTCAAGTGTAGATGGAGAGC            TGGNAGTCGTTTCAAGATAGTGTGTGTGTACCACGTCTTCCCTGCACCCCATCCCTAC            CTGTAGCTCATGACCATTGTGTATAGCATTCTACACTTTGTTTCTTGGTCTTGGCAAT            AAAAGGAATGATCTCCCTGGCANNAAAAACCNCNACCACCTCCNACCACCATGTCTTATT            ACCCACCCAAACAACCTCGTTTCTAATGGCGCCCGGCCTACTGTTTCTGACAAACCCGG            G</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_020408 unedited            TGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT            TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAGGAAATAATTTTTTTTATTGCCAAGGCC            AAAAAACAAAGGGTAAAAATGCTTCCCAAGGGTCATGACCTACAAGGTAGGAAGGGGG            GGCAGGGGAAACGGGAAACCCACAGCATTTTTTTGAACAAACTCCAGTTTTCTTTTTTA            ACCTTTGAACCAAGGAAAAACAGCAGTCCTTTTTAACTAACCTGCAACAAAATGCAAAAT            GGGACTTGGTTTATCACCTCCCACAGGACAGGCCAGCCAAAAGGTTTTTGTAAAGCTGGTT            TTGGAACCCCACTAAAACAAAAAGGGGATGCTAAAGGGGGCCCTGGCCCCACTGG            GGGCTGGCCCCGGTTTGTAGGCCCTGGGCATGTCTCAATTCTAAATGATCAGCTTGCC            AGTTAAATACAGTGGGCAATGGGGACCTGTCAACAAATTAAGTCAAGGCTTTTTTTGGC            TTTATTCACTAGGTTGGAATTTCTACAGGATCCTTTACATTTTTATTTTTCTTTGAAGGC            ATTTTTTATCCTCCTGACAGCATATGTTCTGTAATTGTAGGCGCTAAAACCCTTGTTTTT            TCTAAGCATCGCCCGGTACAAAAATAACACTTGGGCCAACTGGAGGCTGCCATTTTGAA            AAGAAAAAATAAACGGGTCTCTCCGCGGGTCCCAAGTCGACCAACCCACGAACTCC            AGCCTGTGCGAAACCACGACGAAATAAATGCTGCGNCTCGGTTTGGCAGCGGCCCGGG            CCTAATCCTAAGCGGCACTTTGGGGATCGCGGACGCGCCAGCGTCCCTGTGCAAAAT            CGCGGCCGCTAAAGGAGTCGATTACAAC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020408
<b>Insert Size:</b>	840 bp
<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>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).

**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\\_020408.3](#), [NP\\_065141.3](#)

**RefSeq Size:** 1499 bp

**RefSeq ORF:** 276 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 (1) encodes isoform 1.