

Product datasheet for **SC113080**

LYRM1 (NM_020424) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYRM1 (NM_020424) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYRM1
Synonyms:	A211C6.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113080 sequence for NM_020424 edited (data generated by NextGen Sequencing) ATGACAACGGCAACACGACAAGAAGTCCTTGGCCTCTACCGCAGCATTTTCAGGCTTGCG AGGAAATGGCAGGCGACATCAGGGCAGATGGAAGACACCATCAAAGAAAAACAGTACATA CTAAATGAAGCCAGAACGCTGTTCCGGAAAAACAAAAATCTCACGGACACAGACCTAATT AAACAGTGTATAGATGAATGCACAGCCAGGATTGAAATTGGACTGCATTACAAGATTCT TACCCAAGGCCAATTCATCTGCCTCCAATGGGCCTTACCCCACTCCGAGGCCGGGACTT CGAAGCCAAGAGAACTGAGGAACTTTCCAACCAGTATATCTCAGATCTCATGATGAA GTTTCCTAA Clone variation with respect to NM_020424.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020424 unedited
 TTATTCGCCCGCCGTTGCCGATTGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAA
 GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTGCAGCGGCCG
 CGAATTCGGCAGCAGGCAGACCTGGAACCTGGTGTCCCACAGAGATGACAACGGCAACAC
 GACAAGAAGTCCTTGGCCTCTACCGCAGCATTTTCAGGCTTGCAGGAAATGGCAGGCGA
 CATCAGGGCAGATGGAAGACACCATCAAAGAAAAACAGTACATACTAAATGAAGCCAGAA
 CGCTGTTCCGGAAAAACAAAAATCTCACGGACACAGACCTAATTAACAGTGTATAGATG
 AATGCACAGCCAGGATTGAAATTGGACTGCATTACAAGATTCCTTACCCAAGCCAATTC
 ATCTGCCTCCAATGGGCCTTACCCCACTCCGAGGCCGGGACTTCGAAGCCAAGAGAAAC
 TGAGGAACTTTCCAAACCAGTATATCTCAGATCTCATGATGAAGTTTCTAATCTAGAG
 GAAAGTTTATTTCTGCAATGATGAGCCAACTAGTTATTGAATGTAACCAGATGGCAA
 ACACCTTCTGATTAGGGGCAAAAATCAAATGTCTTCTAAAACCTCCACAATTGATTCT
 CCCCTGTGATGTAACCTTAGATATCCCTAGAGTTTCTCAGCATCTTCTTCCTGAGTGG
 ATGGCATTATCCCTAGAGGTCATGGACCTTACATNCTCACTGCAGTCACCTTTGGAAAA
 CAGACCGAGCCTGTANAAGGAAAAGCGAANGGATGTAGAGCTGNTCATGGGAAATTCATT
 CCCACACATGCCAGCTGATGCANAGAAAATTGCCAGTCACTGGAAGNACTGTGGCTACT
 ANTAAACTATGTACCACTCTCAGAATATCTTAGGCTTTTTTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020424 unedited
 NNNNNGGTACTAGCTATGNACC GCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTT
 TTTTGATAGTGCTTTGTCTTTATTTCTGATGCCCATCTTCTCAGAGGTTAAGAAGAAAT
 GACTGATGTACAAATGACTCACCAAGGACTCTCACCTGACTTACCCTTGCAGGGGT
 GGAATAAATCCCTTCTATTTTCAAGTCTATTTGTCCCATTTCTGTTTAGACATAATTTGA
 AAGCCAGCTTGGACCTTGTACTTTTCAATTATGTTAACGTAAAATACTCGTAACGAATGT
 AGTATGAGTTTAAAGTGAGCTTTTCAGATCCTATAAGTGATCCTAAGTAATGACAGGCT
 TTAAGATAAGGAATATATGCATTTTGTAAAGGCAGAAATCTCATAAAATTTTATGAAAA
 CCATGGTCAATCCAATGATGCATTTTTAAGACAAGTTTGTCTGGAACTGGAAGGGTCA
 AAAGACAACAAAAAGCACACACCAAAAAACCTCACTTTAAGCAAATCTATAACTTGAA
 AAAAAAAGCCTAAGAATATTCTGAGAGTGGTACATAGTTTTATAGTAGCCACAGTAAC
 TTCAGTACTGGCAAATTTCTTTGCATCAACTGGCATGTGTGGTGAATGGAAATTCATG
 AACAGCTTTTACTCCTTTTCGCTTTTCTTTAAGGCCCTCGGCTTTGTTTTCCAAGGGGAC
 CTGCCTGGGGATGTAAAGGCCCTGACCCCTGGGAAAAGCCCCCTCCGGAAGAAAAA
 ACCTGAAAACCTTGGGGATCTAAATTTTCTCCAGGGGGGGAATAAATTGGGGGGT
 TTTAAGAAAACTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_020424

Insert Size:

1250 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).

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_020424.2</u> , <u>NP_065157.1</u>
RefSeq Size:	1673 bp
RefSeq ORF:	369 bp
Locus ID:	57149
UniProt ID:	<u>O43325</u>
Cytogenetics:	16p12.3
Domains:	Complex1_LYR
Gene Summary:	<p>The protein encoded by this gene belongs to the mitochondrial leucine/tyrosine/arginine motif family of proteins. Proteins of this family are short polypeptides that contain a leucine/tyrosine/arginine motif near the N-terminus. This gene is widely expressed with high levels in omental adipose tissue of obese individuals. In adipose tissue, the protein is localized to the nucleus where it promotes preadipocyte proliferation and lowers the rate of apoptosis to regulate adipose tissue homeostasis. Overexpression of this gene in adipocytes causes abnormal mitochondrial morphology and mitochondrial dysfunction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1,2,3,4, and 5 encode the same protein.</p>