

Product datasheet for **SC123701**

LYRM4 (BC009552) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYRM4 (BC009552) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYRM4
Synonyms:	C6orf149; CGI-203; homolog of yeast Isd11; ISD11; LYR motif containing 4; mitochondrial matrix Nfs1 interacting protein; OTTHUMP00000039215
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC009552 edited GTTTCGTGGGTTGGGTCGTA CTTGGGACCTCGGCGAAGAGGACCCGTTTATTTTTTTTC TTTCCAAAATGGCAGCCTCCAGTCGCGCACAAGTGTTAGCTCTGTACCGGGCGATGCTGA GAGAGAGCAAGCGTTTCAGCGCCTACAATTACAGAACATATGCTGTCAGGAGGATAAGAG ATGCCTTCAGAGAAAATAAAAATGTAAAGGATCCTGTAGAAAATTCAAACCTAGTGAATA AAGCCAAGAGAGACCTTGGAGTAATTCGTCGACAGGTCCACATTGGCCAAGTATTCAA CTGACAAGCTGATCATTGAGAATCGAGACATGCCAGGACCTAGCAAGCCGGGGACCAGC CACCAGTGGCGGCCAGGGACCACCTTCAGCATCCACTCTCTGTTTGGAGATGGGGCTCCC AAAACCAGCTTACAATAGCCTTTTGGCGCTGCCTGTCTGTGGGAGCTGATAAACCAAGTC ACATTTGCATTCTGTTGCAGGCTTAGTGAAAAAGGACTGCTGTCTTTCTTGTTCAAGT GTTAGAATGGAGAGCTGGAGTTCGTTTCCAGAAATAGTGTGTGTACCACGCTCCCTG CACCCATTCTACCTTGTAGCTCATGACCATTGTGTATAGCATTCTACACTTTGTTTC TTGGTCCTTGGCAATAAAAAGAATGATCTCCCTGAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC009552 unedited NNGGTTACGTTTCGAATTTGTATACGACTCATATAGGGCGGCCGCGATTCCCGGGATATCG TCGACCCACGCGTCCGCCACGCGTCCGCGGACGCGTGGGCGCACAGGCTGGAGTTTCGT GGGTTGGGTCTGACTTGGGACCTCGGCCAAGAGGACCCGTTTATTTTTTTTCTTTCCAA AATGGCAGCCTCCAGTCGCGCACAAGTGTAGCTCTGTACCGGGCGATGCTGAGAGAGAG CAAGCGTTTCAGCGCCTACAATTACAGAACATATGCTGTCAGGAGGATAAGAGATGCCTT CAGAGAAAATAAAAATGTAAGGATCCTGTAGAAATCAAACCCTAGTGAATAAAGCCAA GAGAGACCTTGGAGTAATTCGTCGACAGGTCCACATTGGCCAACGTATTCAACTGACAA GCTGATCATTGAGAATCGAGACATGCCAGGACCTAGCAAGCCGGGGACCAGCCACCAGT GGCGGCCAGGGACCACCTTCAGCATCCACTCTCTGTTTGGAGATGGGGGCTCCAAAACCA GCTTACAATAGCCTTTTGCCTGTCTGTGNGAGCTGATAAACCAAGTCACATTTG CATTCTGTTGCAGGCTTAGTGA AAAAGGACTGCTGTCTTTCTTGGTTCAAGTGTAGAA TGGAGAGCTGGAGTTCGTT CAGAATAGTGTGTGTACCACGCTCCCTGCACCCCA TTCTACCTGTAGCTCATGACCATTGTGTATAGCATTCTACACTTTGTTTCTTGGNTC CTGGGCATNAAAANGATGATCTCCTCGAAAAAANNNNNNNNAANNNNNNNNNANAN ANAAAAAAGGGGGCCCGCTCATAAATGGTTTCTGAAAAAATCCGGG
Restriction Sites:	Please inquire
ACCN:	BC009552
Insert Size:	779 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>BC009552.2</u> , <u>AAH09552.1</u>
RefSeq Size:	742 bp
Locus ID:	57128
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]