

Product datasheet for **SC107267**

LYRIC (MTDH) (NM_178812) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYRIC (MTDH) (NM_178812) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYRIC
Synonyms:	3D3; AEG-1; AEG1; LYRIC; LYRIC/3D3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_178812, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCACGGAGCTGGCAGGACGAGCTGGCCACGAGGCCGAGGAGGGCTCGGCCGGCTGCGGGAAA
TGCTCTCGGTTCGGCTAGGCTTTCTGCGCACCGAGCTGGGCTCGACCTGGGGCTGGAGCCGAAACGGTA
CCCCGGCTGGGTGATCCTGGTGGCACTGGCGCGCTCGGGCTGCTGCTGCTGTTTCTGCTGGGTACGGC
TGGGCCGCGGCTTGCGCCGGCGCCGCAAAAAGCGGAGGAGCCGCCCGCAAGCGGAGGAGGCGGCGG
CCGTGCCGGCGCGGCCCGGACGACCTGGCCTTCTGCTGAAGAATCTCCGAGCGAGGAACAGAAGAAGAA
GAACCGGAAGAACTGTCCGAGAAGCCAAACCAATGGGCGGACTGTTGAAGTGGCTGAGGGTGAAGCT
GTTTCGAACACCTCAAAGTGTAAACAGCAAAGCAGCCACCAGAGATTGACAAGAAAAATGAAAAGTCAAAGA
AAAATAAGAAGAAATCAAAGTCAAGTGTAAAGCAGTGCAAAACAGTTCACGCCATGATGGAAGGAAGT
TGATGAAGGAGCCTGGGAACTAAAATTAGTCACAGAGAGAAACGACAGCAGCGTAAACGTGATAAGGTG
CTGACTGATTCTGGTTCATTGGATTCAACTATCCCTGGGATAGAAAATACCATCACAGTTACCACCGAGC
AATTACAACCGCATATTTCTGTTGGTTCCAAGAAGAATAAAGGTGATTCTCATCTAAATGTTCAAGT
TAGCAACTTTAAATCTGGAAGGAGATTCTACACTTCAGGTTTCTTCCAGGATTGAATGAAAACCTCACT
GTCAATGGAGGAGGCTGGAATGAAAAGTCTGTAAGTCTCTCAGATCAGTGCAGGTGAGGAGAAGT
GGAACCTCCGTTTACCTGCTTCTGCAGGAAAGAGGAAAAGTGGCCATCTGCCTGGAGTCAAGACTGG
AGATGCTAATACAAATGGAAAAGACTGGGGAAGGAGTTGGAGTGACCGTTCAATATTTTCTGGCATTGGG
TCTACTGCTGAGCCAGTTTCTCAGTCTACCCTTCTGATTATCAGTGGGATGTTAGCCGTAATCAACCTT
ATATCGATGATGAATGGTCTGGGTTAAATGGTCTGCTTCTGCTGATCCCACTCTGATTGGAATGCACC
AGCAGAAGAGTGGGCAATTGGGTAGACGAAGAAAGAGCTTCACTTCTAAAGTCCAGGAACCAATTCCT
GATGATCAAAAGGTCTCAGATGATGATAAAGAAAAGGGAGAGGGAGCTTTCCTCAACTGGGAAATCCAAA
AGAAAAAAGAAAAAGAAAGCAAGGTGAAGATAACTCTACTGCACAGGACACAGAAGAATTAGAAAA
AGAGATTAGAGAAGACCTTCCAGTGAATACCTCTAAAACCGTCCAAAACAGAAAAAGCTTTTTCTTG
AAGACCATAAGCACTAGTGATCCAGCCGAAGTACTCGTCAAAAATAGCCAGCCTATCAAGACTCTCCAC
CTGCTACTTCTACCGAGCCATCTGTAATCTTATCAAAAAGTGAATCTGACAAGAGCTCTTCCAAGTGCC
GCCAATACTACAAGAGACAGATAAATCCAAGTCAATACCAAGCAAAAATAGTGTGCCTCTTACAGACC
AAGTCTGAACTAGCTGGGAATCTCCAAACAAATAAAAAAGAAGAAAAAGCCAGACGAGAACCTGA
    
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_178812 unedited

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CACCAGGCGGTGGCAGCGGCCGATCCCCGGCTCCCGCGCGAGGGACGGCCGCGATGCGCT
CGGCCTGAGGTTACCCGGCCCGGCCCTTCTCGCTTCCCTCGACTATTCCACTGCGTCTC
CGGCCCGCGGCTCATCTGCGAGTCCCTCTGACGGGAGGGAAGATGGCTGCACGGAGCT
GGCAGGACGAGCTGGCCACGAGGCCGAGGAGGGCTCGGCCGGCTGCGGAAATGCTCT
CGGTCCGGCTAGGCTTTCTGCGCACCGAGCTGGGCTCGACCTGGGGCTGGAGCCGAAAC
GGTACCCCGGCTGGGTGATCCTGGTGGCACTGGCGCGCTCGGGCTGCTGCTGCTTTT
TGCTGGGCTACGGCTGGGCCGCGCTTTCGCCGGCGCCGCAAAAAGCGGAGGAGCCGC
CCCGCAAGCGGGAGGAGGCGGCCGTGCCGGCCGCGGCCCGGACGACCTGGCCTTGC
TGAAGAATCTCCGGAGCGAGGAACAGAAGAAGAACCAGGAAGAACTGTCCGAGAAGC
CCAAACCAAAATGGGCGGACTGTTGAAGTGGCTGAGGGTGAAGCTGTTTCGAACACCTCANA
GTGTAACAGCAAAGCAGCCACCAGAGATTGANCAGAAAAATGAAAAGTCAAAGAAAAATA
AGAAGAAATCAAAGTCAAGTGTAAAGCAGTGCANAACAGTTCAGCCATGATGGAAGG
AAGTTGATGAAGGAGCCTGNGAACTAAN
    
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Restriction Sites: NotI-NotI
ACCN: NM_178812
Insert Size: 1850 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:	NM_178812.2 , NP_848927.1
RefSeq Size:	3729 bp
RefSeq ORF:	1749 bp
Locus ID:	92140
UniProt ID:	Q86UE4
Cytogenetics:	8q22.1
Protein Families:	Transmembrane
Gene Summary:	Downregulates SLC1A2/EAT2 promoter activity when expressed ectopically. Activates the nuclear factor kappa-B (NF-kappa-B) transcription factor. Promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance.[UniProtKB/Swiss-Prot Function]