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Product datasheet for RG228037

LYRM4 (NM_001164841) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYRM4 (NM_001164841) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LYRM4
Synonyms:	C6orf149; CGI-203; COXPD19; ISD11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228037 representing NM_001164841 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGCCTCCAGTCGCGCACAAGTGTTATCTCTGTACCGGGCGATGCTGAGAGAGAGCAAGCGTTTCA GCGCCTACAATTACAGAACATATGCTGTCAGGAGGATAAGAGATGCCTTCAGAGAAAATAAAAATGTAAA GGATCCTGTAGAAATTCAAACCCTAGTGAATAAAGCCAAGAGAGACCTTGGAGTAATTCGTCGACAGGTA GCTGAGCAAGGCACAGCCGCCAGGAGGAAGTCGGGGAACAGCAGCCGGAGCCTGGGGAAGCCCTGCACAA GTTGGCCT ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>RG228037 representing NM_001164841 Red=Cloning site Green=Tags(s) MAASSRAQVLSLYRAMLRESKRFSAYNYRTYAVRRIRDAFRENKNVKDPVEIQTLVNKAKRDLGVIRRQV AEQGTAARRKSGNSSRSLGKPCTSWP TRTRPLE - GFP Tag - V
Restriction Sites:	SgfI-MluI

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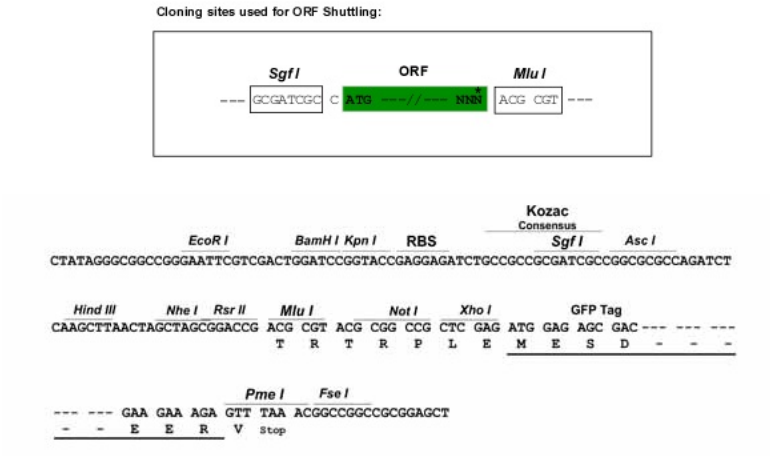
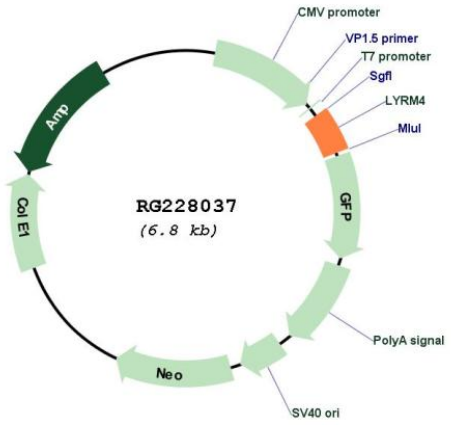
Cloning Scheme:



Plasmid Map:



ACCN: NM_001164841

ORF Size: 288 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	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_001164841.2
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]