

Product datasheet for **MG216104**

Lyrn7 (NM_029327) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Lyrn7
Synonyms: 1700024C24Rik; 9330147L21Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216104 representing NM_029327
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGAGCGTCGCCAGCTGTGCCCGGCCCTGATTGGTTGCCAAGAGGGGGCGCCCTCAGAGGCGGAGT
CAGCGGCGTGGGGAGCCATGGGTACAGCCGCAAGGTTTTACAGCTCTTTAAAACACTGCACAGGACCAG
ACAGCAAGTTTTAAAAATGATAAGAGAGCATTGGAAGCAGCCAGAGTAAAGATAAATGAAGAATTCAAA
AAACATAAAAACGAGACATCTCCAGAGAAAATAAAGAGATGATGAACTAGGTTCTGATGTGGAATTAT
TGCTCAGAACAGCTGTTATTCAGGAATTCACACAGACCATGACACACTGCAACTGGTCCCCAGGAAAGA
TCTTCTCACAGAAAATGTGCCGTAAGTGTGATGCCCAACCCAGAAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216104 representing NM_029327
Red=Cloning site Green=Tags(s)

MRSVASCAPALIGCQEGAPSEAEESAAMGAMQPAKVLQLFKTLHRTRQQVFNKDKRALEAARVKINEEFK
KHKNETSPEIKEMMKLGSDVELLLRTAVIQGIHTDHTLQLVPRKDLLTENVPYCDAPTQKQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_029327

ORF Size: 399 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.

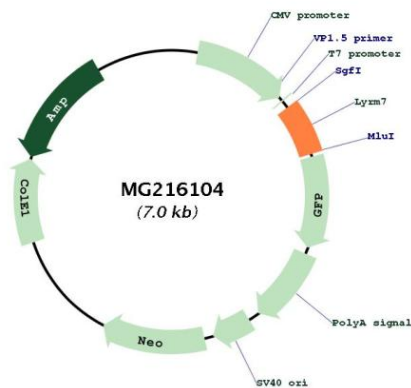
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_029327.4](#)
RefSeq Size: 2180 bp
RefSeq ORF: 315 bp
Locus ID: 75530
UniProt ID: [Q9DA03](#)

Cytogenetics: 11 B1.3

Gene Summary: Assembly factor required for Rieske Fe-S protein UQCRCF1 incorporation into the cytochrome b-c1 (CIII) complex. Functions as a chaperone, binding to this subunit within the mitochondrial matrix and stabilizing it prior to its translocation and insertion into the late CIII dimeric intermediate within the mitochondrial inner membrane (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216104