

Product datasheet for **MG218269**

Lrrc10 (NM_146242) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc10 (NM_146242) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc10
Synonyms:	D330003I11Rik; Hrlrrp; Serdin1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218269 representing NM_146242 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGAAACACCATCCGGGCCTTCGTGGCTTTCATCCCCACCGACCGCTGCCAGAGTTATGTGGTGGGAG
 ACCTCCGGGAGATGCCCTGGACAGGATGGTGGATCTGAGCGGGAGCCAGCTGCGTCGTTCCCACTGCA
 CGTGTGCTCCTTCACGGAGCTGGTGAAGCTCTACCTCAGCGACAACACCTTCACAGCTGCCTCCCGAC
 CTGGCACAGCTGCAGAACCTGCAGATCCTGGCCTTGGATTCAACAACCTCAAAGCTCTCCCCGGGTGG
 TGTGTACCTTGAACAGCTCTGCATCCTCTACCTGGGCAATAACAACTCTGTGACCTCCCGGATGAGCT
 CAGCCTGCTCCAGAACCTACGGACCCTGTGGCTCGAATCCAACCTGCCTCACCCGGCTGCCGATGTGGTG
 TGTGAGCTGAGTCTCCTTAAACCTGCATGCCGTTCCAACGCCCTACGTCTGTACCCGGCCAGCTCC
 GGCGCCTGCGCGAGCTCAGGACCATCTGGCTCTCCGGCAATCAGCTAGCTGACTTCCCCTCGGTACTGCT
 TCGCATGCCCTTCTGGAGGTGATCGACGTGGATCGGAACAGTATCCGCTACTTCCCCAGCTGGCCAC
 TTGACAAATCTGAAGCTGGTCATCTATGACCACAATCCTTGACAGAAATGCCCCAAGGTGGGCAAAGGGG
 TTCGCCGTGTTGGGAGATGGGCAGAGGAGACACAGAGCTGACCCAGAAAAGCTAGGCGGTACGCACT
 GGCCAAGGAAGAATCAAGAGCCACCTCCTCCCTTCTCCTTCAGCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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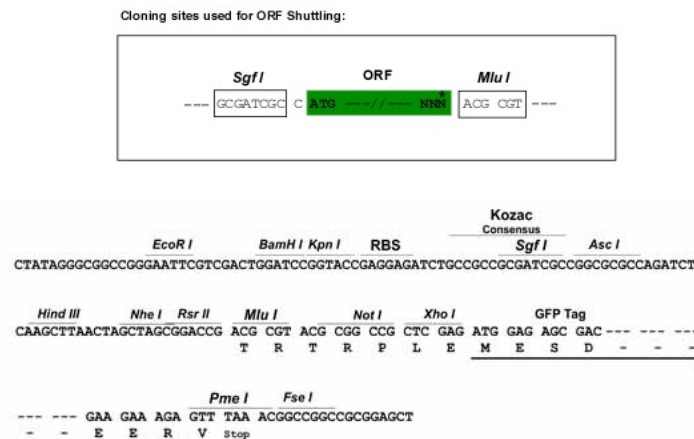
Protein Sequence: >MG218269 representing NM_146242
 Red=Cloning site Green=Tags(s)

MGNTIRAFVAFIPTDRCQSYVVVDLREMPDRMVDL SGSQLRRFPLHVCSFTEL VKLYLSDNHLHSLPPD
 LAQLQNLQILALDFNNFKALPRVCTLKQLCIL YLGNNKLC DLPDELSLLQNLRTLWLESNCLTRLPDVV
 CELSLLKTLHAGSNALRLLPGLRRLRELRTIWL SGNQLADFP SVLLRMPFLEVIDVDRNSIRYFPSLAH
 LTNLKLVIYDHNPCRNAPKVGKGVRRVGRWAEETPEDP RKARRYALAKEENQEPPPPLLPSSS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_146242

ORF Size: 822 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_146242.2](#), [NP_666354.1](#)

RefSeq Size: 1428 bp

RefSeq ORF: 825 bp

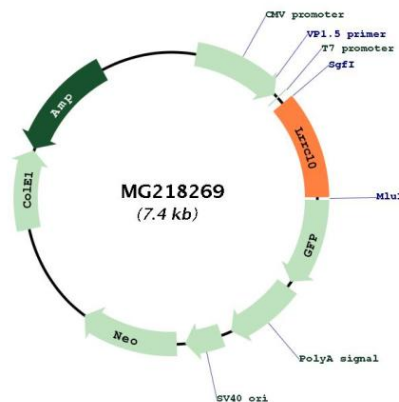
Locus ID: 237560

UniProt ID: [Q8K3W2](#)

Cytogenetics: 10 D2

Gene Summary: May play important roles in cardiac development and/or cardiac function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG218269