

Product datasheet for **MG216368**

Lrrc2 (NM_028838) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc2 (NM_028838) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc2
Synonyms:	2400002D05Rik; 4933431K03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216368 representing NM_028838 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACACAAAGTGGTCGTGTTTGACATCTCTGTTGTCAGAGCCTTATGGGAACTCGTGTCAAGAAGC
ACAAAGCATGGCAGAAGAAGGAGGCAGAAAGGCTGGAGAAAAGCGCCCTGGAGAAGATAAAGGAGGAGTG
GGACTTTGTGGCCGAGTGCAGGAGGAAGGGCGTCCCCAGGCTGAGTACTGCAAGAATGGCTTTGTGGAC
ACCAGCACAAGGCTCCTGAAAAGATAGAGAGGAACTCTGTTCCAGGCAGAGTGCAGGAGTCAAGGACA
GAGACAAACGGAGGAGTCCATTTGTGTTGAACCTTTCAGGGACACAGTGAAGGAGCTGCCTGATTCGCT
GAAGGAGCAGACACACCTCAAAGAATGGTACATTCACAGTACCCTCATTACAGATCATTCCCACGTACATC
GAGCTGTTTCAAGCCATGAAAATTTGGATTTGCCAAAAACCAATCACGTGTCTTCCAGCTGAAATTG
GTCGCTTAAAGAACCTGAAAGAAGCTCAATGTGAGTTTTAACCATTTGAAGAGTATCCCCCGGAGCTAGG
AGACTGTGAGCATCTAGAGAGACTGGACTGTTCTGGGAATCTGGACCTGATGGATCTCCCCTTTGAATTA
AGTAATTTGAAGCAAGTTACATTTGTGGATATCTCTGCGAACAAGTCTCCAGCGTTCTATCTGTGTCC
TGCGGATGTGTCGTCTGCAGTGGCTGGATATCAGCAGCAACAATCTGAGTGACCTGCCACAAGATATAGA
CAGGCTGGAAGAGCTACAAGTTTCTGCTGTATAAAAAACAAGCTGACCTACCTTCTCAAGCCATGCTC
AACCTCAAAAAGCTCACCTTGCTGGTTGTCAGTGGGATCACCTGGTGGAGGTCCCAGCCGCTCTGCG
ATGCCTCCAGCCTTTGAAATTTGTAAGCCTTGTGGACAATCCCATTGATAAGACCGGATGTCAAGACAC
TGAAGACACAGTAGAGAGCGAGCGGACCCAGCATTGATAAGGAATTTATGAAAGCATATATTGAA
GACCTTAAAGAAAGAGAAGCTGTTCCAGTTATACGACCAAAGTGCATTTAGTCTTCAGCTT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216368 representing NM_028838
 Red=Cloning site Green=Tags(s)

MGHKVVVFDISVVRALWETRVKHKHAWQKKEAERLEKSALEKIKEEWFVAECRRKGVPQAEYCKNGFVD
 TSTRLLEKIERNSVSRQ SARVKDRDKRRSPFV FELSGTQWKELPDSLKEQTHLKEWYIHSTLIQIITYI
 ELFQAMKILDL PKNQITCLPAEIGRLKNL KELNVSFNHLKSIPPELGDCEHLERLDCSGNLDLMDLPFEL
 SNLKQVTFVDISANKFSSVPICVLRMCRLQWLDISSNNLSDLPQDIDRLEELQGFLLYKNKLTYLPQAML
 NLKKLTLVVSGDHLVEVPTALCDASTPLKFVSLVDNPIDKTGCCQDTE DTVESERDRQHFDKEFMKAYIE
 DLKEREAVPSYTTKVSFSLQL

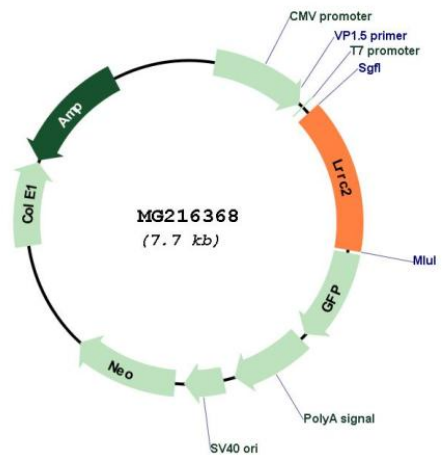
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028838

ORF Size:	1113 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:	<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_028838.2 , NP_083114.2
RefSeq Size:	3657 bp
RefSeq ORF:	1116 bp
Locus ID:	74249
UniProt ID:	Q8VDB8
Cytogenetics:	9 F2