

Product datasheet for **RR201656**

Lrrc2 (NM_001012001) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrc2 (NM_001012001) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lrrc2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201656 representing NM_001012001
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGGACACAAGTGGTCGTGTTTGATATCTCTGTTGTCAGAGCCTTATGGGAACTCGTGTCAAGAAGC
ACAAGCATGGCAGAAGAAGGAGGCGGAGAGGCTGGAGAAAAGCGCCCTGGAGAAGATAAAGGAGGAGTG
GGAAATTTGTGGCCGAGTGCAGGAGGAAGGCGTGCCCAAGGCTGAGTACTGCAAGAATGGCTTCGTAGAC
ACCAGACAAGGCTCCTGGAAAGGATAGAGAGGAACTCAGTGGCCAGGCAGAGTGCACGAGTCAAGGACA
GAGGCAAACGGAGCAATCCATTCGTGTTTGAACCTTTCAGGGACACAGTGAAGGAGCTGCCTGATTTCGCT
GAAGGAACAGACACACCTCAAAGAATGGCACATTCACAACACCCTCATTAGATCATTCCAACGTACATT
GAGCTGTTTCACTCGATGAAGATTTTGGATTTGCCAAAGAACCAATCACGTGTCTTCCCCCGAAATCG
GTCGTTGAAGAACCTGAAAGAACTCAATGTGAGTTTCAACCATTTGAAGAGTATTCCCCCGAGCTAGG
AGACTGTGAGATTTAGAGAGACTAGACTGTTCTGGGAATCTGGACCTGATGGAGCTCCCCTTTGAATTG
AGTAATCTGAAACAGTTACCTTTGTGGATATCTCAGCAAACAAGTTCTCCAGCGTCCCGATCTGTGTCC
TGCGGATGTGCTGCTGCAGTGGCTGGATATCAGCAGCAATGATCTGACTGACCTGCCACAAGATATAGA
CAGGCTGGAAGAGCTACAAGTTTCTCCTGTATAAAAAACAAGCTGACCTACCTTCTCAAGCCATGCTC
AACCTCAAAAAGCTCACCTGCTGGTTGTGAGTGGGATGACCTGGTGGAGCTCCCGACCGCCCTCTGCG
ATGCTCCACGCTTTGAAATTTGTAAGCTTTTGGACAATCCCATTGACAAGACCCGATGTCAGGACAC
TGACGACACAGTAGAAAGCGAACAGGACCGCCAGCACTTCGATAAGGAATTTATGAAAGCATACATCGAA
GACCTTAAAGAAAGAGAAGCTGTTCCAGTTATACCGCAAAGTGCATTTAGCCTTCAACTT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201656 representing NM_001012001
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MGHKVVVFDISVVRALWETRVKHKHAWQKKEAERLEKSALEKIKEEWEFVAECRRKGVPQAEYCKNGFVD
 TSTRLLERIERNVSARQ SARVKDRGKRSNPFV FELSGTQWKELPDSLKEQTHLKEWHIHNTLIQIIPYI
 ELFHSMKILDL PKNQITCLPPEIGRLKNL KELNVSFNHLKSIPPELGDCENLERLDCSGNLDLMELPFEL
 SNLKQVTFVDISANKFSSVPICVLRMCRLQWLDISSNDLTDLPQDIDRLEELQGFLLYKNKLTYPQAML
 NLKKLTLVVSGDDLVELPTALCDASTPLKFVSLLDNPIDKTRCQDTDDTVESEQDRQHFDFKFMKAYIE
 DLKEREAVPSYTAKVFSLQL

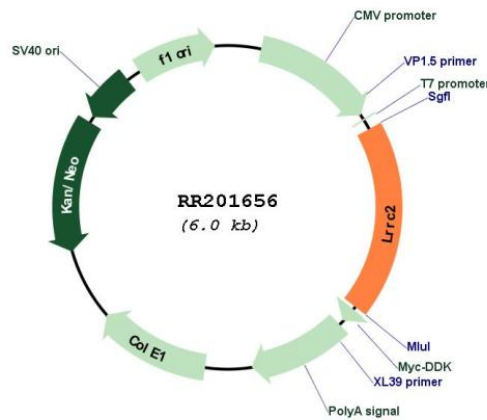
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012001

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_001012001.1 , NP_001012001.1
RefSeq Size:	2528 bp
RefSeq ORF:	1116 bp
Locus ID:	301033
Cytogenetics:	8q32
MW:	43 kDa