

Product datasheet for **MR204872**

Lrrc26 (NM_146117) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc26 (NM_146117) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc26
Synonyms:	RP23-132N23.19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204872 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGGGTTCTTTTTCTCGCGGCTTCCGCCGAACCTCTCTGCTGCTGCTGCTGCTGCTGAGGCGAG
 TCTGGACCCAGGAGGATATTGGAACCTGCCCTTCTAAATCCCGGTGGCCCCGAATGCCCGAGGCATG
 TTCATGTTCACTAGGCGGCAAGGCCAATTGCTCCGCACTCGCGCTGCCTGCGGTACCAGCGGACCTGAGC
 TGGCAAGTACGCTCACTGCTGCTGGATCACAATCGCGTGAGCGCGCTGCCTCCGGTGCCTTCGCCAATG
 CAGGCGCGCTGTATACCTAGATCTGAGGAGAACCGGCTTCGGTCGGTGACGACGAGCTTTCTGGGG
 TCTGGGAGTGTTGCAATGGCTGGACCTGAGCTCCAACCACTGGAACCTGCTCCTGGACCTTCGCG
 CCGCTGCGCGCGCTTAGTTTCTCTCCCTAGCGGGTAACCGGCTGGCACTCCTGGAGCCTTCGATCCTGG
 GCGCGTTCCATTACTGCGAGTGCTCAGCCTGCAGGACAATTCACTATCGGCAATCGAGGCGGGTTTGCT
 GAATAACTTGCTGCCCTCGATGTGTGCGCTTGATGGCAACCCCTGGACGTGCAACTGTGCGTGCGT
 CCCCTTTGCACTTGGCTGCGTAAGCACCCGCTCCAGCCTCAGAACTGAGACCTGCTCTGCGTGCTC
 CAAGACTCCAGACGCTCAGCCTACTGACAGCTTTCCGGATGCCGCTTCAAACAGTGCCTCAGTCACT
 AGCAGCGGAGACCTGGCGGTGGTCTACGCTCTCGGGCCGGTCTCTTTCTTGCTAGTTTGCCATCTGC
 CTGGCATTGGGCTCCGTGCTCACTGCTTGTGGTGACGGCGCGCGCCGCCGCCGACACGGTGCGCC
 ACTTACTAAGGAGACGCTAGACCCGAGGGCCACCCTCCCTGGAGGATGCTGGGAGCCCTGTAAACAGC
 AGCTATCCAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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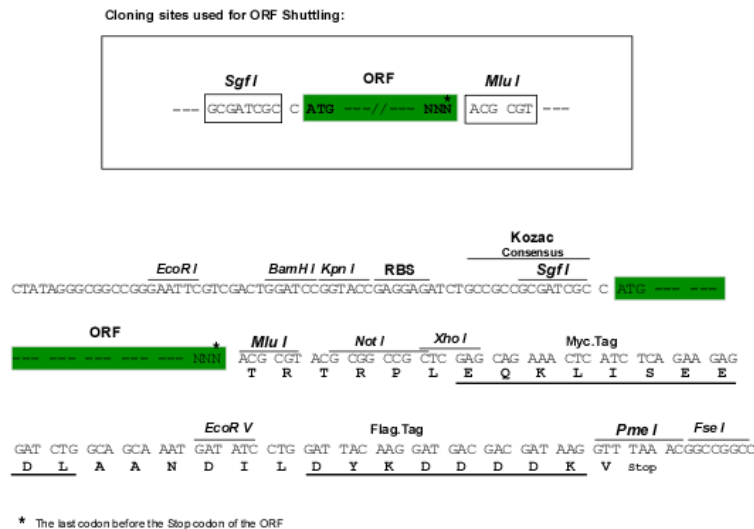
Protein Sequence: >MR204872 protein sequence
 Red=Cloning site Green=Tags(s)

MRGSFFSRLPPQLSLLLLSLRRVWTQEDIGTAPSKSPVAPECPEACSCSLGGKANCALALPAVPADLS
 WQVRSLLLDHNRVSALPPGAFANAGALLYDLRENRLRSVHARAFWGLGVLQWLDLSSNQLETLPPTFA
 PLRALSFLSLAGNRLALLEPSILGPLLLRVLSLQDNSLSAIEAGLLNNLPALDVLRLHGNPWTCNCLR
 PLCTWLRKHPRPASETETLLCVSPRLQTLSELLTAFPDAAFQCTQSLAARDLAVVYALGPVSFLASLAIC
 LALGSVLTACGARRRRRRRTTVRHLLRRQLDPEGPPSLEDAGSPVTAIIQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_146117

ORF Size: 993 bp

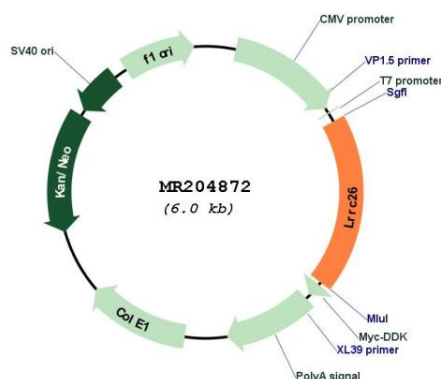
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_146117.2, NP_666229.1</u>
RefSeq Size:	1207 bp
RefSeq ORF:	996 bp
Locus ID:	227618
UniProt ID:	<u>Q91W20</u>
Cytogenetics:	2 A3
MW:	35.7 kDa
Gene Summary:	Auxiliary protein of the large-conductance, voltage and calcium-activated potassium channel (BK alpha). Required for the conversion of BK alpha channels from a high-voltage to a low-voltage activated channel type in non-excitable cells. These are characterized by negative membrane voltages and constant low levels of calcium (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204872