

Product datasheet for **MR204238**

4833439L19Rik (NM_133797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4833439L19Rik (NM_133797) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4833439L19Rik
Synonyms:	4930558H15Rik; C81457; Kiaa1191; P33monox
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204238 representing NM_133797 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTTCAAGACAACCAGAAGTGCCTGCTCTTGCTCCAGCGGGCCTCTAGGCAAGATGTCCCTGCCCA
TCGGGATGTGCCGTCGGCATTAGCTATGATGATGCCCTAGAGGACCCTGCGCCCATGACTCCTCCTCC
ATCGGACATGGGCAGCATCCCCTGGAAGCCAGTGATTCCAGAGCGCAAGTATCAGCATCTTGACAAGACA
GAGGAGGGCGCGCCAGTGTCTTCCCTTGCTGTGACTCCATCACCAGCCACTGACAGTTCAGACAAGG
CCCCTGTGGTGAAGGCTAAAGCTACCCATGTCATCATGAGTTCCTGATCACAAGCAGACCCAGGAGAG
CATCCAGCGTTTTGAACAACAGGCAGGACTGAGAGATGCTGGCTACACACCCCATAGGGCCTTACCACG
GAGGAGACCAAGTACCTTCGAGTGGCAGAGCACTCCATAAACTAAAGCTGCAGAGTGGAGAGACAGCAA
AAGAAGAGAAGCACCCCTGCATCAGCCCAGTCCACCCCGAGCAGCACCCCTCACGCGTCCCCTAAGCAGAA
GTCCAGAGGCTGGTTCCTATCTGGCTCCTCCACAGCCTTACCTGCTCCGAATCCTCACACCATGGATCCT
GGGAGTGGAAATGATAGGAAGTCAAGGAGCCTCTTTGGACCAGACCCCTGCAGAAATCTG
ATTCTGGTTTTGCTATTCAGGCTTACAAAGGTGCCCAAGACCCTCTCTATGGAGGTGATGCGTGCCCA
GGCCACACGAGTAGGTGAAGATCCAGCAACTTTCAAACCAACCAAGATGGATGTCCCAATGGTAGAAGGA
AAGAAGCAACCACTTCGAACCCATAATCTCAAACCCGTGACCTGAATGTGCTCACACCCACTGGCTTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR204238 representing NM_133797
 Red=Cloning site Green=Tags(s)

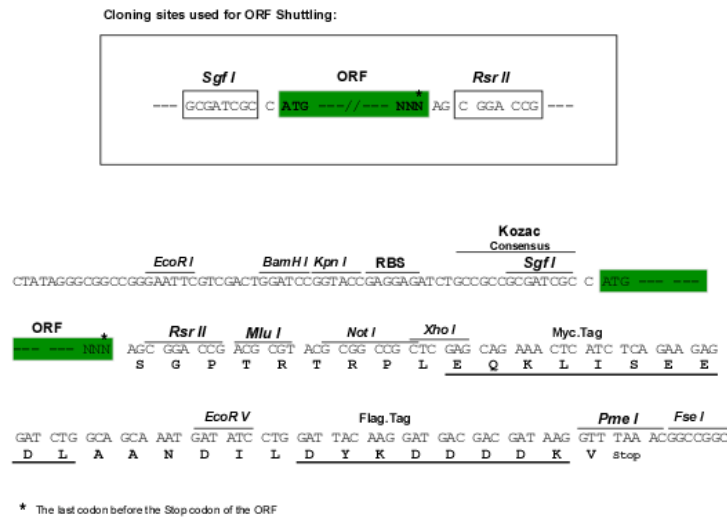
MASRQPEVPALAPSGPLGKMSLPIGMCRRAFSYDDALEDPA PMTPPPSDMGSI PWKPVIPERKYQHLDKT
 EEGAASVSSLAVTPSPATDSSDKAPVVKAKATHVIMSSLITKQTQESIQRFEQQAGLRDAGYTPHKGLTT
 EETKYLRVAEALHKLKLSGETAKEEKHPASAQSTPSSTPHASPKQKSRGWFPSSGSTALLPAPNPHTMDP
 GSGNDRNSADKWSLFGPRPLQKSDSGFAIQAYKGAPRSPMEVMRAQATRVGEDPATFKPPKMDVPMVEG
 KKQPLRTHNLKPRDLNVLTPTG

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9062_f04.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_133797

ORF Size: 909 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_133797.4, NP_598558.1

RefSeq Size: 2689 bp

RefSeq ORF: 912 bp

Locus ID: 97820

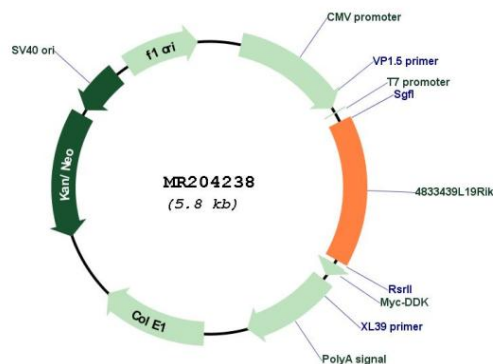
UniProt ID: Q9DBN4

Cytogenetics: 13 B1

MW: 32.7 kDa

Gene Summary: Potential NADPH-dependent oxidoreductase. May be involved in the regulation of neuronal survival, differentiation and axonal outgrowth (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204238