

Product datasheet for **MG204238**

4833439L19Rik (NM_133797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4833439L19Rik (NM_133797) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4833439L19Rik
Synonyms:	4930558H15Rik; C81457; Kiaa1191; P33monox
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204238 representing NM_133797 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTTCAAGACAACCAGAAGTGCCTGCTCTTGCTCCCAGCGGGCCTCTAGGCAAGATGTCCCTGCCCA
 TCGGGATGTGCCGTCGGCATTAGCTATGATGATGCCCTAGAGGACCCTGCGCCCATGACTCCTCCTCC
 ATCGGACATGGGCAGCATCCCCTGGAAGCCAGTGATTCCAGAGCGCAAGTATCAGCATCTTGACAAGACA
 GAGGAGGGCGCGCCAGTGTCTTCCCTTGCTGTGACTCCATCACCAGCCACTGACAGTTCAGACAAGG
 CCCCTGTGGTGAAGGCTAAAGCTACCCATGTCATCATGAGTTCCTGATCACAAGCAGACCCAGGAGAG
 CATCCAGCGTTTTGAACAACAGGCAGGACTGAGAGATGCTGGCTACACACCCCATAGGGCCTTACCACG
 GAGGAGACCAAGTACCTTCGAGTGGCAGAGCACTCCATAAACTAAAGCTGCAGAGTGGAGAGACAGCAA
 AAGAAGAGAAGCACCCCTGCATCAGCCCAGTCCACCCCGAGCAGCACCCCTCACGCGTCCCCTAAGCAGAA
 GTCCAGAGGCTGGTTCCTATCTGGCTCCTCCACAGCCTTACCTGCTCCGAATCCTCACACCATGGATCCT
 GGGAGTGGAAATGATAGGAAGTACAGCAGACAAATGGAGCCTCTTGAGACCAGACCCCTGCAGAAATCTG
 ATTCTGGTTTTGCTATTCAGGCTTACAAAGGTGCCCAAGACCCTCTCTATGGAGGTGATGCGTGCCCA
 GGCCACACGAGTAGGTGAAGATCCAGCAACTTTCAAACCAACCAAGATGGATGTCCCAATGGTAGAAGGA
 AAGAAGCAACCACTTCGAACCCATAATCTCAAACCCGTGACCTGAATGTGCTCACACCCACTGGCTTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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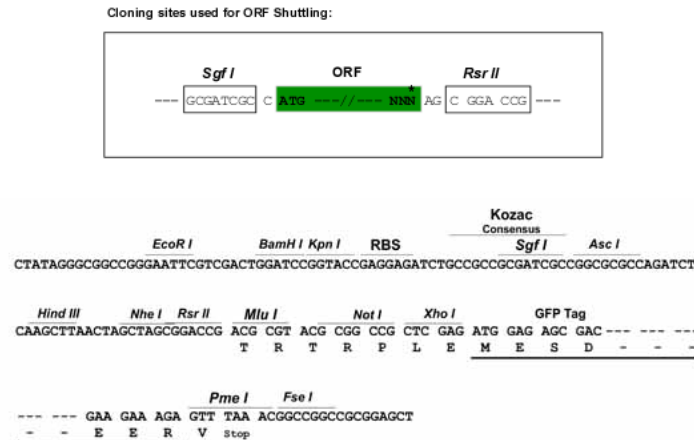
Protein Sequence: >MG204238 representing NM_133797
 Red=Cloning site Green=Tags(s)

MASRQPEVPALAPSGPLGKMSLPIGMCRRAFSYDDALEDPA PMTPPPSDMG SIPWKVIPERKYQHLDKT
 EEGAASVSSLAVTPSPATDSSDKAPVVKAKATHVIMSSLITKQTQESIQRFEQQAGLRDAGYTPHKGLTT
 EETKYLRVAEALHKLKLSGETAKEEKHPASAQSTPSSTPHASPKQKSRGWFPSSGSTALLPAPNPHTMDP
 GSGNDRNSADKWSLFGPRPLQKSDSGFAIQAYKGAPRSPMEVMRAQATRVGEDPATFKPPKMDVPMVEG
 KKQPLRTHNLKPRDLNVLTPGTG

SGPTRRRLE – GFP Tag – V

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

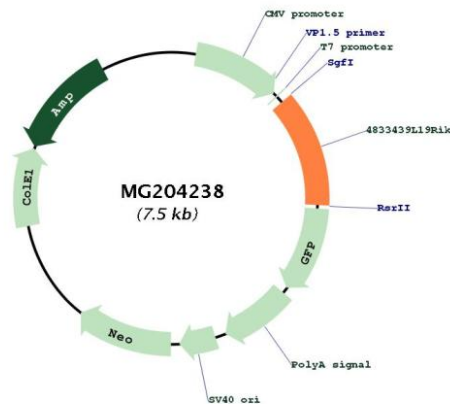
Locus ID: 97820

UniProt ID: [Q9DBN4](#)

Cytogenetics: 13 B1

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 MG204238