

Product datasheet for **MR204055**

2310057J18Rik (BC021783) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	2310057J18Rik
Synonyms:	2210414P04Rik; Leg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR204055 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGAGGATGGGAACACATAATTAATCCTTGGGTATACACTGACAGAATGGGGATGTACAGAATCT
TACTGGAAGAGACAGCTATGTATTTGCAAAATATGGTCCAGAAAATGAACAAATCTTCTTTGGGGATT
GCCTCTGCAGTTTGGCTGGCAGTATCAATCAGGTAGATTAGCTGATCCCACTGGAATGACAGACTGTGGC
AATGAACCTAATGAGAGTCTGTGTCTCTGTGGACAGTTGGTGGGCAGATATAAATTATTATCTGAGTG
TGATACCTTTCTTGTCTGCTGTTGATTCTGGAATAACAGGAATATCACCAAAACCAATCACGATCCTGCC
TCCACCAAGGATCAGATGAGGTTTTGTTATAATGTTTCTGACTGTCAATCTGCCGTCCCTGGAACAATG
AACAGATGGAGAGACTTTTTTCAGTACATGCAGTTGAATTCAGTGACTTTGATGGCCTTCTTAACACT
TATGGGAAGCCCATGCCTCATCCTTGGACTATCCACCAAGTGCCTTTGGAGACAGATATAATTTCTATTC
TGAAAAAGAAAGCAAATTTTGGGAAAACCTGGGCTATTGCTGTGAACTATTTAGCGGCAGCCCGTCTTCT
ACAACCCAAAATAGAACATACAGCTTTTCAAGGGGCGCTGCCCCACGAGTCCTTGTTGATACTGACATAG
CCCCTTTTATTCTGACTTCACTCCTTTCAGAACGAAGTCTGGTATCACTCAAACCTCTTGGTGATAC
TGACAGAAATTCAGGATCATTATCTTTGACTCTATGGGAAAATCTCATGAGTACAAAACCTTGAAGAACA
TTATTTCTAAAAGCCTTTGAAGAGTTCCTGGTAACATCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR204055 protein sequence
Red=Cloning site Green=Tags(s)

MMEDGNYIINPWVYTRDMGMYRILLEETAMYFAKYGPENEQNLWLGLPLQFGWQYQSGRLADPTGMTDCG
NELNESLCVSVDSWWADINYYLSVIPFLAAVDSGITGISPNQITILPPPKDQMRFCYNVSDCQSAVPGTM
NRWRDFQYMQNLSSDFDGLLNYLWEAHASSLDYPTSAFGDRYNYFYSEKAFNEENWAIIVNYLAAARLP
TTQNRTYSFQRLPSPRVRLVDTDIAPFIPDFTPLQNEVLVSLKLLGDTRNSGSLSLTLWENLMSTKLART
LFLKAAFEFFLVTSS

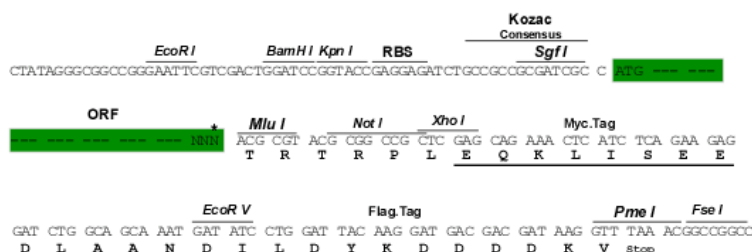
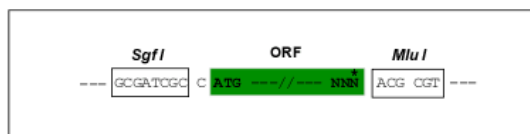
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

BC021783

ORF Size:

882 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: [BC021783](#), [AAH21783](#)

RefSeq Size: 1250 bp

RefSeq ORF: 884 bp

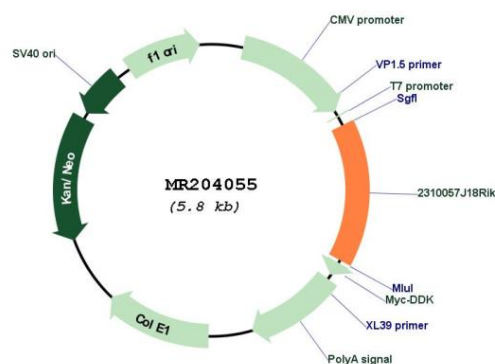
Locus ID: 67719

Cytogenetics: 10 A4

MW: 33.6 kDa

Gene Summary: May be involved in early liver development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204055