

Product datasheet for **MR230041**

2410141K09Rik (NM_001290196) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2410141K09Rik (NM_001290196) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2410141K09Rik
Synonyms:	4930482J15Rik; Ayu21-35; Gt(pU21)35Imeg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230041 representing NM_001290196
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGCAATGACTTTTGACGATGTGCATGTGAACCTTCACTAAAGAAGAGTGGAATTTGCTGGAACCTT
 CCCAGATGAATCTCTACAAGACGTGATGTTGGAGACCTACTGGAACCTTACTTCTATAGCTACAATG
 GGAAGACCATCATATTGAAGAACCATGTCAAAGTTCTCGAAGACATACAAGGCATGTCAGGAGTCATAGT
 TGGAGAAACTCTATGAATGTAATCAATGTGGTAAAGCCTTTACCTCTCACAGTAGTCTCAGATATCATA
 AAAGAACCATACTGGAGAGAAACCTTATGAATGTAATCATTGTGGTAAAGCCTTTGCAAGACCTGCTCA
 TCTCCAAAGACATAAAAGAACCATACTGGAGAGAAACCTTATGAGTGAATCAATGTAGTAAAGCCTTT
 TCCTGTACAGTGGTCTCAGATATCATAAAAGAACCATACTGGAGAGAAACCTTATGAATGTAATCAAT
 GTGGGAAAGCCTTTGCAAGACCCGCTGATCTCCAATGTCATAAAAGGACCATACTGGAGAGAAACCTTA
 TGATGTAATCAATGTGGAAAGCCTTTGCAAGACCCGCTAATCTCCAATGTCATAAAAGAACCATACT
 GGAGAGAAACCTTATGAATGTAATCAATGTGGTAAAGCCTTTCTTGTACAGGGTGGTCTCAGATATCATA
 AAAGAACCATACTGGAGAGAAACCTTATGAATGTAATCAATGTGGGAAAGCCTTTGCAAGACCCAGTCA
 TCTCCAATGTCATAAAAGAACCATACTGGAGAGAAACCTTATGAATGTAATCAATGTGGTAAAGCCTTT
 TCCTCTCACATTAGTCTCAGATATCATAAAAGAACCATACTGGAGAGAAAGCCTTATGAATGTAATCAAT
 GTGGTAAAGCCTTTCCGGTCACAGTGGTCTCAGATATCATAAAAGAACCATACTGGAGAGAAACCTTA
 TGAATGTAATCAGTGTGGTAAAGCCTTTGCAACACCCAGTCATCTCCAATGTCATAAAAGAACCATACT
 GGAGAGAAACCATATGAATGTAATCAATGTAGTAAAGCCTTTGCAAGACCCGCTCATCTCCAACATCATA
 AAAGAACCATACTGGAGAGAAACCTTATGAATGTAATCAATGTGGGAAAGCCTTTGCAAGACCCGCTCA
 TCTCCAATGTCATAAAAGAACCACACCCGAGAGAAACCTTATGAATGTAATCAATGTGGGAAAGCCTTT
 TCCTGTACAATAGTCTCAGATATCATAAAAGAACCATACTGGAGAGAAACCTTATGAATGTAATCAGT
 GTGGTAAAGCCTTGCTACATCCACTCATCTCCAATGTCATAAAAGAACCATACTGGAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230041 representing NM_001290196
 Red=Cloning site Green=Tags(s)

MDAMTFDDVHVNFKEEWNLLLEPSQMNL YKDVMLETYWNLTSIGYKWEDHHIEEPCQSSRRHTRHVRSHS
 WKKLYECNQCGKAF TSHSLRYHKRTHTGEKPYECNHCGKAFARPAHLQRHKRTHTGEKPYECNQCSKAF
 SCHSGLRYHKRTHTGEKPYECNQCGKAFARPADLQCHKRTHTGEKPYECNQCGKAFARPANLQCHKRTHT
 GEKPYECNQCGKAFSCQGLRYHKRTHTGEKPYECNQCGKAFARPSHLQCHKRTHTGEKPYECNQCGKAF
 SSHISLRYHKRTHTGEKPYECNQCGKAFSGHSGLRYHKRTHTGEKPYECNQCGKAFATPSHLQCHKRTHT
 GEKPYECNQCSKAFARPAHLQHHKRTHTGEKPYECNQCGKAFARLSHLQCHKRTHTGEKPYECNQCGKAF
 SCHNSLRYHKGHTGEKPYECNQCGKALATSTHLQCHKRTHTGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001290196

ORF Size: 1392 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.

RefSeq: [NM_001290196.1](#), [NP_001277125.1](#)

RefSeq Size: 1491 bp

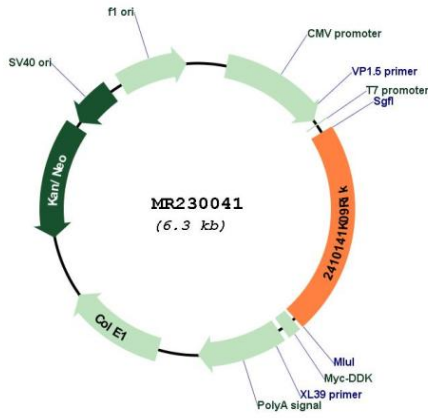
RefSeq ORF: 1395 bp

Locus ID: 76803

Cytogenetics: 13 B3

MW: 54.2 kDa

Product images:



Circular map for MR230041