

Product datasheet for **MR204361**

2310014G06Rik (BC087941) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2310014G06Rik (BC087941) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2310014G06Rik
Synonyms:	2310014G06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204361 representing BC087941 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCGGGTGCTTGTAGGTGGCGGGACGGGATTCATTGGGACAGCCGTAACCCAGCTGCTGAGAGGCAGGG
 GCCACGAAGTTAAATTGGTCTCCAGACAGCCTGGCCCGGTGCAATCACGTGGAGTGAACCTAGTGAGTC
 GGGGCTGCCCTCTGCGATGTTGTCATCAACCTGGCTGGAGAGAATATCCTCAACCCTCTGCGAAGATGG
 AATGAAACCTTCAAAAAGAGGTTCTTACGAGCCGCTTGATACTACCCACTTGCTAGCCAAAGCCATCA
 CCGAAACTGCGCACCCACCTCAGGCTTGATTCTAGTCACAGGTGTAGCTTACTACCAGCCAAGCCTGAC
 TAAGGAGTATGATGAAGACAGCCAGGAGGGAATTTTGACTTTTTCTCAACCTGGTAACCAATGGGAA
 GCAGCAGCCAGGCTTCTGGAGAGTCTACACGCCAGGTCTGGTACGTTACGGGGTTGTGCTGGGCCGTG
 GAGGTGGCGCCATCAGTCACATGCTTCTGCCCTTCCGCCTGGGCCTAGGAGGCCCATCGGTTCAAGTCTG
 CCAATCTTCCCCTGGATACACATTGGTGACCTGGCAGGAATTCTGAACCTATGCCCTTGAAGCAAACAC
 GTCCAAGGAGTCTGAATGGAGTGGCTCCAGCATCTACAACTACCAATGCTGAGTTTGCCAGGCCCTTG
 GTGCTGCCCTGGGCCGCCAGCCTTCATACCTGTCCCAGCACTGTGGTACGAGCGGTCTTTGGAGAAGC
 TGCCATCATGCTGTTGGAAGGGCAAAAGTGGTCCCTCGCGGACACTGGCTACTGGCTACCACTACTCC
 TTCCCAGAGCTGAGGGCTGCCTTGAAGGATGTTGTAGCCTGCTCCGCACTCTGAGAAGTGGGTCAGGTG
 ATGATCCCTGCACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR204361 representing BC087941
 Red=Cloning site Green=Tags(s)

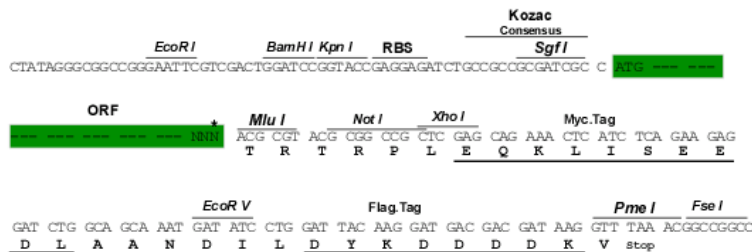
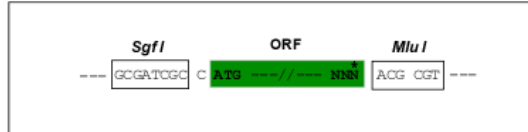
MRVLVGGGTGFIGTAVTQLLRGRGHEVKLVSRQPGPRITWSELSEGLPLCDVVINLAGENILNPLRRW
 NETFQKEVLTSLDDTHLLAKAITETAHPPQAWILVTGVAYYQPSLTKEYDEDSPGGNFDFFSNLVTKWE
 AAARLPGESTRQVVVRSGVVLGRGGGAISHMLLPFRLGLGGPIGSGRQFFPWIHIGDLAIGLNALYALEANH
 VQGVNLNGVAPASTTTNAEFAQALGAALGRPAFIPVPSTVVRVFGERAIMLLEGQKVVPRRTLATGYQYS
 FPFLRAALKDVGACSRTRLRSGSGDDPCT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC087941

ORF Size: 924 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: [BC087941.1](#)

RefSeq Size: 1197 bp

RefSeq ORF: 926 bp

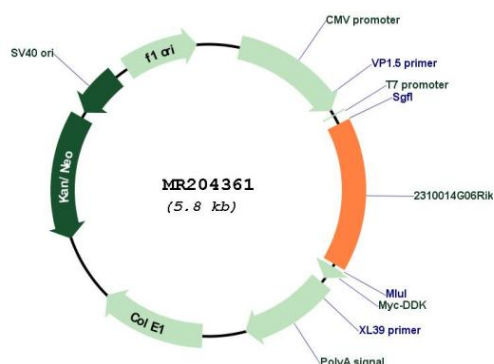
Locus ID: 654795

Cytogenetics: 14 C3

MW: 43.9 kDa

Gene Summary: Putative NADP-dependent oxidoreductase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204361