

Product datasheet for **MG204361**

2310014G06Rik (BC087941) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2310014G06Rik (BC087941) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	2310014G06Rik
Synonyms:	2310014G06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204361 representing BC087941 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCGGGTGCTTGTAGGTGGCGGGACGGGATTCATTGGGACAGCCGTAACCCAGCTGCTGAGAGGCAGGG
 GCCACGAAGTTAAATTGGTCTCCAGACAGCCTGGCCCGGGTGAATCACGTGGAGTGAACCTAGTGAGTC
 GGGGCTGCCCCTCTGCGATGTTGTCATCAACCTGGCTGGAGAGAATATCCTCAACCCTCTGCGAAGATGG
 AATGAAACCTTCAAAAAGAGGTTCTTACGAGCCGCTTGATACTACCCACTTGCTAGCCAAAGCCATCA
 CCGAAACTGCGCACCCACCTCAGGCTTGATTCTAGTCACAGGTGTAGCTTACTACCAGCCAAGCCTGAC
 TAAGGAGTATGATGAAGACAGCCAGGAGGGAATTTTGACTTTTCTCCAACCTGGTAACCAATGGGAA
 GCAGCAGCCAGGCTTCTGGAGAGTCTACACGCCAGGTCTGGTACGTTACGGGGTTGTGCTGGGCCGTG
 GAGGTGGCGCCATCAGTCACATGCTTCTGCCCTTCCGCCTGGGCCTAGGAGGCCCATCGGTTCAAGTCTG
 CCAATCTTCCCCTGGATACACATTGGTGACCTGGCAGGAATTCTGAACCTATGCCCTTGAAGCAAACAC
 GTCCAAGGAGTCTGAATGGAGTGGCTCCAGCATCTACAACCTACCAATGCTGAGTTTGCCAGGCCCTTG
 GTGCTGCCCTGGGCCGCCAGCCTTCATACCTGTCCCAGCACTGTGGTACGAGCGGTCTTTGGAGAAGC
 TGCCATCATGCTGTTGGAAGGGCAAAAAGTGGTCCCTCGCGGACACTGGCTACTGGCTACCACTACTCC
 TTCCCAGAGCTGAGGGCTGCCTTGAAGGATGTTGTAGCCTGCTCCGCACTCTGAGAAGTGGGTCAGGTG
 ATGATCCCTGCACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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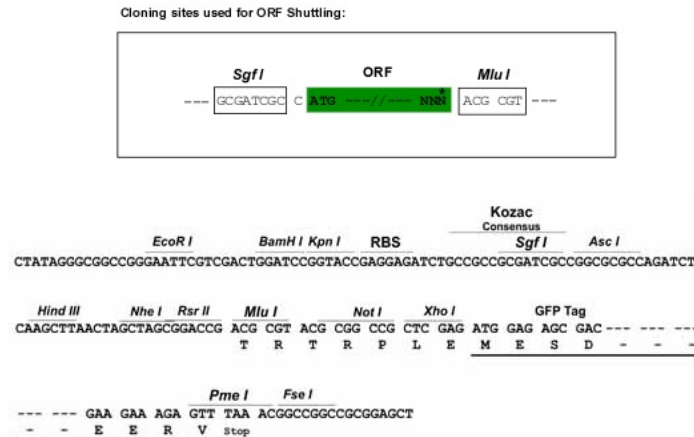
Protein Sequence: >MG204361 representing BC087941
 Red=Cloning site Green=Tags(s)

MRVLVGGGTGFIGTAVTQLLRGRGHEVKLVSRQPGPRITWSELSEGLPLCDVINLAGENILNPLRRW
 NETFQKEVLTSRLDTTHLLAKAITETAHPPQAWILVTGVAYYQPSLTKEYDEDSPGGNFDFFSNLVTKWE
 AAARLPGESTRQVVVRSGVVLGRGGGAISHMLLPFRLGLGGPIGSGRQFFPWIHIGDLAIGLNYALEANH
 VQGVNLGVAPASTTTNAEFAQALGAALGRPAFIPVPSTVVRAVFGERAIMLLEGQKVVPRRTLATGYQYS
 FPELRAALKDVVACSRTLRSGSGDDPCT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

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

Product images:



Circular map for MG204361