

Product datasheet for **MG206308**

Prkar2a (NM_008924) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkar2a (NM_008924) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prkar2a
Synonyms:	1110061A24Rik; AI317181; AI836829; RII(alpha)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206308 representing NM_008924 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCACATCCAGATCCCCGCGGGGCTCACGGAGCTGCTGCAGGGCTACACCGTGGAGGTGCTTCGGC
AGCAGCCGCCGACCTCGTCGACTTCGCGGTGGAGTACTTCACACGCCTGCGCGAGGCCCGCCAGGA
ATCAGACACGTTTCATCGTCTCCCCGACGACCTTTCACACGCAGGAGTCCAGCGCAGTCCCGTTCATCGAG
GAGGACGGGAGAGTACTCGGACTCGGAAGATGCCGATCTGGAAGTTCGGTTCCTAGCAAATTTACTA
GACGAGTATCAGTCTGTGCAGAAACGTTTAAACCCTGATGAAGAAGAGGAGGATAACGATCCAAGGTGGT
TCATCCCAAACTGATGAGCAGAGATGCCGGCTTCAGGAAGCTTGTAAAGATATTCTTTTCAAAAAC
CTTGATCAGGAACAGCTTCTCAAGTCTGGATGCCATGTTTGAAAAGATTGTCAAACTGACGAGCATG
TCATTGACCAAGGCGACGACGGGACAACCTTTATGTCATAGAACGGGGAACCTATGACATTTTAGTAAAC
GAAAGATAATCAAACACGTTCTGTTGGTCAGTATGACAACCGTGGCAGTTTTGGAGAAGTCTGATG
TACAATACCCCGAGAGCTGCTACCATCATCGCCACCTCAGAAGGCTCCCTTTGGGGATTGGACCGGGTGA
CTTTTAGAAGAATCATAGTGA AAAACAATGCAAAGAAGAGGAAGATGTTGAATCATTTATTGAGTCTGT
TCCACTCTTTAAGTCACTAGAGATGTGAGAACGAATGAAGATTGGATGTGATCGGGGAAAAGATCTAT
AAGGACGGAGAGCGAATAATCGCACAGGGTGA AAAAGGCCGACAGTCTATATCATAGAGTCTGGGGAAG
TGAGCATCTTGATTAGAAGCAAGACCAAGTCAAACAAGAATGGAGGGAACCGAGGTCGAGATTGCCCA
TTGCCATAAAGGGCAGTACTTCGGAGAACTTGCCCTGGTCAACAACAACCCAGAGCTGCTTCCGCTTAC
GCGGTTGGAGATGTCAAATGCTTAGTTATGGATGTTCAAGCATTTGAGAGGCTTCTGGGCCCTGCATGG
ACATCATGAAGAGGAACATCTCACATTACGAAGAACAGCTGGTGAAGATGTTTGGCTCCAACCTGGATCT
GATGGACCCCGGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206308 representing NM_008924
Red=Cloning site Green=Tags(s)

MSHIQIPAGL TELLQGYTVEVLRQPPDLVDFAVEYFTRLREARRQESDTFIVSPTTFHTQESSAVPVIE
 EDGESDSDSEADLEVPVPSKFRTRVSVCAETFNPEDEEEDNDPRVVHPKTDEQRCRLQEACKDILLFKN
 LDQEQLSQVLDAMFEKIVKTDHVIDQGGDGNFYVIERGYDILVTKDNQTRSVGQYDNRGSFGELALM
 YNTPRAATIIATSEGLWGLDRVTFRRRIIVKNNAKRRKMFESFIESVPLFKSLEMSERMKIVDVIKEKIY
 KDGRIIAQGEKADSFYIIESGEVSILIRSKTKSNKNGGNQVEIAHCHKQYFGELALVTNKPRASAY
 AVGDVKCLVMDVQAFERLLGPCMDIMKRNI SHYEEQLVKMFGSNLDMDPGQ

TRTRPLE - GFP Tag - V

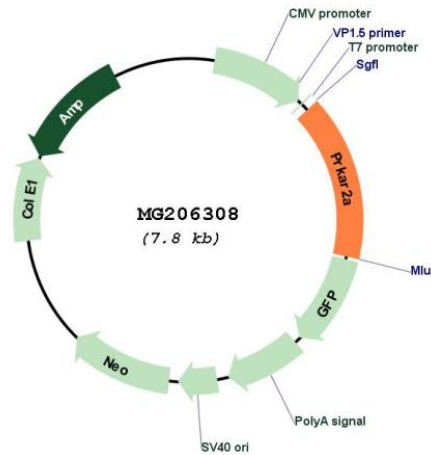
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_008924

ORF Size:	1206 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:	<ol style="list-style-type: none">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_008924.3
RefSeq Size:	4041 bp
RefSeq ORF:	1209 bp
Locus ID:	19087
Cytogenetics:	9 F2