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Product datasheet for MR206308

Prkar2a (NM_008924) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkar2a (NM_008924) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prkar2a
Synonyms:	1110061A24Rik; AI317181; AI836829; RII(alpha)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206308 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCACATCCAGATCCCCGCGGGGCTCACGGAGCTGCTGCAGGGCTACACCGTGGAGGTGCTTCGGC
AGCAGCCGCCCGACCTCGTCGACTTCGCGGTGGAGTACTTCACACGCCTGCGCGAGGCCCGCCGCCAGGA
ATCAGACACGTTCATCGTCTCCCCGACGACCTTTCACACGCAGGAGTCCAGCGCAGTCCCCGTCATCGAG
GAGGACGGGGAGAGTGACTCGGACTCGGAAGATGCCGATCTGGAAGTTCCGGTTCCTAGCAAATTTACTA
GACGAGTATCAGTCTGTGCAGAAACGTTTAACCCTGATGAAGAAGAGGAGGATAACGATCCAAGGGTGGT
TCATCCCAAAACTGATGAGCAGAGATGCCGGCTTCAGGAAGCTTGTAAAGATATTCTTCTTTTCAAAAAC
CTTGATCAGGAACAGCTTTCTCAAGTTCTGGATGCCATGTTTGAAAAGATTGTCAAAACTGACGAGCATG
TCATTGACCAAGGCGACGACGGGGACAACTTTTATGTCATAGAACGGGGAACCTATGACATTTTAGTAAC
GAAAGATAATCAAACACGTTCTGTTGGTCAGTATGACAACCGTGGCAGTTTTGGAGAACTAGCTCTGATG
TACAATACCCCGAGAGCTGCTACCATCATCGCCACCTCAGAAGGCTCCCTTTGGGGATTGGACCGGGTGA
CTTTTAGAAGAATCATAGTGAAAAACAATGCAAAGAAGAGGAAGATGTTTGAATCATTTATTGAGTCTGT
TCCACTCTTTAAGTCACTAGAGATGTCAGAACGAATGAAGATTGTGGATGTGATCGGGGAAAAGATCTAT
AAGGACGGAGAGCGAATAATCGCACAGGGTGAAAAGGCCGACAGCTTCTATATCATAGAGTCTGGGGAAG
TGAGCATCTTGATTAGAAGCAAGACCAAGTCAAACAAGAATGGAGGGAACCAGGAGGTCGAGATTGCCCA
TTGCCATAAGGGGCAGTACTTCGGAGAACTTGCCCTGGTCACCAACAAACCCAGAGCTGCTTCCGCTTAC
GCGGTTGGAGATGTCAAATGCTTAGTTATGGATGTTCAAGCATTTGAGAGGCTTCTGGGCCCCTGCATGG
ACATCATGAAGAGGAACATCTCACATTACGAAGAACAGCTGGTGAAGATGTTTGGCTCCAACTTGGATCT
GATGGACCCCGGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

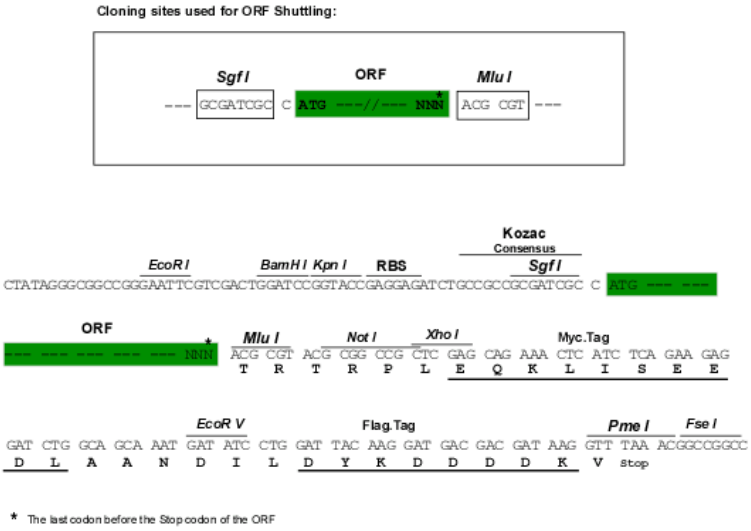
>MR206308 protein sequence
Red=Cloning site Green=Tags(s)

MSHIQIPAGLTELLQGYTVEVLRQQPPDLVDFAVEYFTRLREARRQESDTFIVSPTTFHTQESSAVPVIE
EDGESDSDSEDADLEVPVPSKFTRRVSVCAETFNPDEEEEDNDPRVVHPKTDEQRCRLQEACKDILLFKN
LDQEQLSQVLDAMFEKIVKTDEHVIDQGDDGDNFYVIERGTYDILVTKDNQTRSVGQYDNRGSFGELALM
YNTPRAATIIATSEGSLWGLDRVTFRRIIVKNNAKKRKMFESFIESVPLFKSLEMSERMKIVDVIGEKIY
KDGERIIAQGEKADSFYIIESGEVSILIRSKTKSNKNGGNQEVEIAHCHKGQYFGELALVTNKPRAASAY
AVGDVKCLVMDVQAFERLLGPCMDIMKRNISHYEEQLVKMFGSNLDLMDPGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008924

ORF Size: 1209 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_008924.3

RefSeq Size: 4041 bp

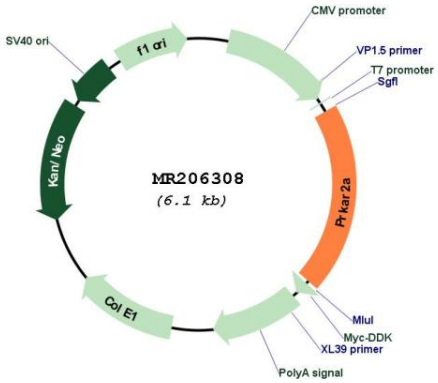
RefSeq ORF: 1209 bp

Locus ID: 19087

Cytogenetics: 9 F2

MW: 45.6 kDa

Product images:



Circular map for MR206308