

Product datasheet for MR206576

Prkar2b (NM_011158) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Prkar2b (NM_011158) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Prkar2b |
| Synonyms: | AI451071; AW061005; Pkarb2; PKARIIbeta; RII(beta) |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR206576 representing NM_011158 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCATCGAGATCCCCCGGGGCTCACGGAGCTGCTGCAGGGCTTCACGGTGGAGGTGCTGAGGCACC
AGCCCCCGACCTGCTGGAGTTCGCGCTGCAGCACTTCACGCGGCTGCAGCAGGAGAACGAGCGCAAGGG
CGCCGCGCGTTCGGCCATGAGGGCAGGACCTGGGGGACCGGGCGCAGCCCGGGGGCGGCATCCCC
AGTAAGGGTGTCAACTTCGCCGAGGAGCCATGCGCTCCGACTCCGAGAACGGCAGGAGGAGGAGGCCG
CGGAAGCAGGGGGCTTCAACGCTCCAGTTATAAACCGGTTCAAGGCGTGCCTCGGTCTGTGCAGAAGC
TTATAATCCTGATGAAGAGGAAGACGATGCAGAGTCCAGGATAATACATCCAAAACCGATGATCAGAGA
AACAGATTGCAAGAGGCTTGCAAGACATCCTGCTGTTAAGAACCTGGATCCAGAGCAGATGTCCCAAG
TTTTAGATGCCATGTTTGAAAAATTGGTCAAAGAAGGGGAACACGTAATTGACCAAGGTGATGACGGTGA
CAACTTTTACGTCATTGACAGAGGAACATTTGATATTTATGTAATAATGTGATGGCGTTGGAAGATGCGTC
GGTAACTATGATAACCGTGGGAGTTTTGGAGAAGTGGCCTTAATGTACAATACACCCAGAGCAGTACAA
TCACTGCTACCTCCTGGTGTCTGTGGGTTTGGACAGGGTACCTTCAGGAGAATAATTGTAATAAA
CAATGCCAAAAAGAGGAAGATGTACGAGAGCTTTATCGAGTCCCTGCCGTTCTCAAGTCTCTAGAGGTT
TCTGAACGCTGAAGGTGGTGGATGTGATTGGCACCAAAGTTACAATGATGGAGAGCAGATCATTGCTC
AGGGAGATTTGGCAGACTCTTTCTTATTGTAAGTCTGGAGAAGTGAATAACTATGAAAAGAAAGGG
TAAATCAGAAGTTGAAGAGAACGAGCTGTGAAATCGCTCGGTGCTTTCCGGGGCCAGTACTTTGGAGAG
CTTGCCCTGGTCACTAACAAACCAAGAGCAGCGTCTGCACACGCCATCGGGACTGTCAAATGCTTAGCCA
TGGATGTGCAAGCATTGAAAGGCTTTGGGACCTTGCATGGAATAATGAAGAGGAACATCGCCACCTA
TGAAGAACAATTAGTTGCGCTGTTTGAACAACATGGATATTGTTGAGCCCACTGCA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206576 representing NM_011158
Red=Cloning site Green=Tags(s)

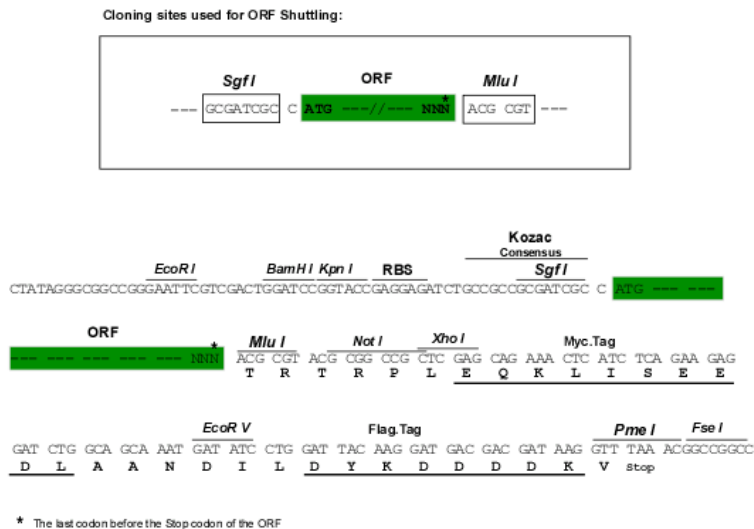
MSIEIPAGL TELLQGFTVEVLRHQPADLLEFALQHFTRLQQENERKGAARFGHEGRTWGDAGAAAGGGIP
 SKGVNFAEPMRSDSENGEEEEAAEAGAFNAPVINRFTRRASVCAEAYNPDEEEDDAESRIIHPKTDDQR
 NRLQEACKDILLFKNLDPEQMSQVLDAMFEKLVKEGEHVIDQGDDGDNFYVIDRGTFDIYVKCDGVGRCV
 GNYDNRGSFGELALMYNTPRAATITATSPGALWGLDRVTFRRIIVKNNAKRKMYSFIESLPFLKSLEV
 SERLKVVDVIGTKVYNDGEQIIAQGLADSFIVESGEVKITMKRKGKSEVEENGAVEIARCFRGQYFGE
 LALVTNKPRAASAHAI GTVKCLAMDVQAFERLLGPCMEIMKRNIATYEEQLVALFGTNMDIVEPTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011158

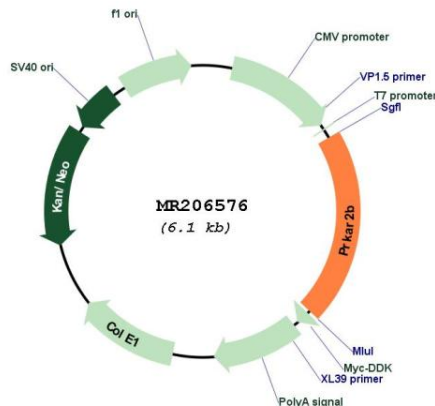
ORF Size: 1248 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_011158.4 |
| RefSeq Size: | 3358 bp |
| RefSeq ORF: | 1251 bp |
| Locus ID: | 19088 |
| UniProt ID: | P31324 |
| Cytogenetics: | 12 A3 |
| MW: | 46.2 kDa |
| Gene Summary: | Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR206576