

Product datasheet for **MC227403**

Prkar1b (NM_001253890) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkar1b (NM_001253890) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prkar1b
Synonyms:	AI385716; Ribeta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227403 representing NM_001253890 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTCCCATCATGCTTCCACTCGGAGGATGAGGACTCTCTGAAAGGATGCGAGATGTACGTGCAGAA
AACATGGCATCCAGCAGGTGCTCAAAGAATGCATTGTGCACCTCTGTGTCGCCAAGCCGGACCGGCCACT
GCGATTCTCCGGGAGCACTTTGAGAAGTTGGAGAAGGAGGAAAACAGGCAGATCCTGGCTCGGCAGAAG
TCAAACCTCCAGTGTGATTCCCACGATGAGGAGATCTCCCAACACCTCCAAACCCCGTGGTCAAGGCGC
GTCGCCGGCGGGGCGGTGTGAGTGTGAAGTCTACACTGAAGAAGATGCTGTCTCCTACGTGAGGAAGGT
CATTCCCAAGGACTATAAGACCATGACCGCGCTGGCCAAGGCCATTTCTAAGAACGTGCTCTTTTCTCAC
CTGGACGACAACGAGAGAAGTGACATAATTTGACGCCATGTTTCTGTCACTCACATCGGTGGGAAACAG
TCATACAGCAAGGGAATGAAGGAGATAATTTCTATGTGATTGACCAAGGAGAAGTAGATGTATATGTGAA
CGGGGAATGGGTGACCAACATCAGTGAGGGGGGAAGCTTCGGGGAGCTGGCTCTCATCTACGGCACCCCC
AGAGCGGCTACCGTGAAGCCAAGACGGACCTCAAGCTCTGGGGTATCGACCGTGACAGCTACAGGCGCA
TCCTCATGGGAAGCACACTGAGGAAACGCAAGATGTATGAGGAGTTCCTCAGCAAAGTCTCCATCCTAGA
ATCCCTGGAGAAGTGGGAACGCCGACTGTAGCTGATGCCCTGGAGCCTGTGCAGTTTGAAGATGGAGAG
AAAATTGTTGTGACGGGGGAGCCTGGAGATGACTTCTACATCATCACAGAGGGCACTGCTTCAGTCTCC
AGCGACGATCCCCAATGAGGAGTACGTGGAAGTGGGGCGCCTTGACCCCTGACTACTTTGGGGAGAT
TGCCCTGCTGCTGAATCGGCCCGTGCAGCCACTGTGGTGGCCCGGGTCCCTCAAGTGTGTGAAGTTA
GACCGGCTCGTTTTGAGCGTGTCTGGGCCCTGCTCTGAGATCCTGAAGAGGAACATCCAGCGTTACA
ACAGCTTCATCTCCCTAACTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001253890
Insert Size:	1146 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001253890.1</u> , <u>NP_001240819.1</u>
RefSeq Size:	2633 bp
RefSeq ORF:	1146 bp
Locus ID:	19085
UniProt ID:	<u>P12849</u>
Cytogenetics:	5 77.74 cM
Gene Summary:	Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 3. Variants 1-6 all encode the same isoform (a).