

Product datasheet for RC228859

PRKAR1B (NM_001164758) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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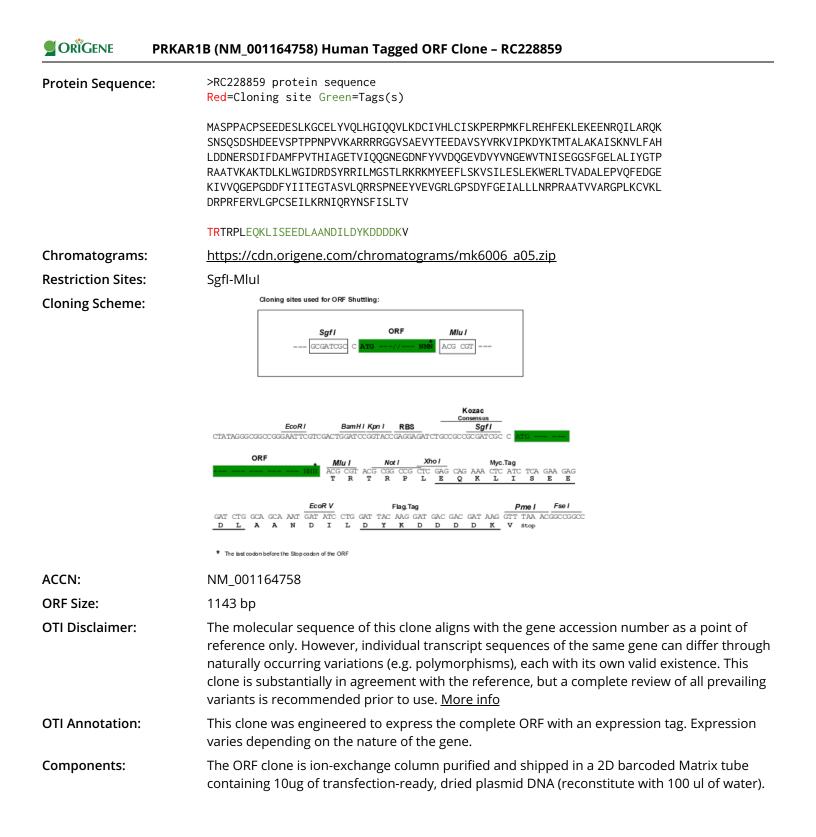
Product Type:	Expression Plasmids
Product Name:	PRKAR1B (NM_001164758) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRKAR1B
Synonyms:	PRKAR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC228859 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCCTCCCGCCCGCCTGCCCCTCGGAGGAGGACGAGAGCCTGAAGGGCTGTGAGCTGTACGTGCAGC

ACGTGCAGC TGCACGGGATCCAGCAGGTCCTCAAAGACTGTATCGTCCACCTCTGCATCTCCAAGCCCGAACGCCCCAT TCAAACTCACAGTCGGACTCCCATGATGAGGAGGTGTCGCCCACCCCCCGAACCCTGTGGTGAAGGCCC GCCGCCGGCGAGGAGGCGTGAGTGCCGAGGTGTACACCGAGGAGGACGCCGTGTCCTACGTCAGGAAGGT GATTCCCAAGGACTACAAAACCATGACTGCGCTGGCCAAGGCCATCTCCAAGAACGTGCTCTTCGCTCAC TTATACAGCAAGGGAATGAAGGAGACAACTTCTATGTCGTTGATCAAGGGGAAGTGGATGTGTACGTGAA CGGAGAGTGGGTGACCAACATCAGCGAGGGAGGCAGCTTCGGGGAGCTGGCGCTCATCTACGGCACCCCC AGGGCTGCGACCGTGAAAGCCAAGACGGACCTCAAGCTCTGGGGGGATCGACCGGGACAGCTACCGGCGCA TCCTTATGGGCAGCACGCTGAGGAAACGCAAGATGTACGAGGAGTTCCTCAGCAAGGTCTCCATCCTAGA GTCCCTGGAGAAGTGGGAGCGTCTGACCGTGGCGGATGCGCTGGAGCCCGTCCAGTTTGAAGATGGAGAG AAAATCGTGGTCCAGGGAGAGCCTGGGGACGACTTTTACATCATCACGGAGGGCACCGCGTCCGTGCTGC AGCGCCGGTCCCCCAATGAGGAGTACGTGGAGGTGGGGCGCCTGGGACCCTCTGACTACTTCGGGGAGAT TGCACTGCTGCTGAACCGGCCCCGGGCGGCCACTGTCGTGGCCCGGGGGCCCCTCAAGTGTGTGAAGCTG GACCGGCCCCGCTTCGAGCGTGTGCTGGGGCCCTGCTCTGAGATCCTCAAGAGGAACATTCAGCGTTACA ACAGCTTCATCTCCCTCACCGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



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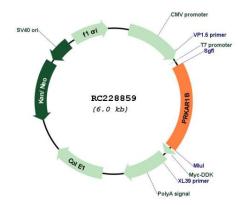


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Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 001164758.1, NP 001158230.1</u>
RefSeq Size:	2488 bp
RefSeq ORF:	1146 bp
Locus ID:	5575
UniProt ID:	<u>P31321</u>
Cytogenetics:	7p22.3
Protein Families:	Druggable Genome
Protein Pathways:	Apoptosis, Insulin signaling pathway
MW:	43.1 kDa
Gene Summary:	The protein encoded by this gene is a regulatory subunit of cyclic AMP-dependent protein kinase A (PKA), which is involved in the signaling pathway of the second messenger cAMP. Two regulatory and two catalytic subunits form the PKA holoenzyme, disbands after cAMP binding. The holoenzyme is involved in many cellular events, including ion transport, metabolism, and transcription. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2015]

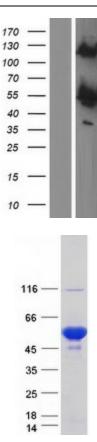
Product images:



Circular map for RC228859

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Western blot validation of overexpression lysate (Cat# [LY431891]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC228863] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified PRKAR1B protein (Cat# [TP328859]). The protein was produced from HEK293T cells transfected with PRKAR1B cDNA clone (Cat# RC228859) using MegaTran 2.0 (Cat# [TT210002]).

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