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Product datasheet for RC239786

PRKCBP1 (ZMYND8) (NM_001281779) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_001281779) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZMYND8
Synonyms:	PRKCBP1; PRO2893; RACK7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>RC239786 representing NM_001281779
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATGAAATCGAAGTATGTCCAGAATGTTATCTAGCTGCTTGCCAAAAACGAGATAACTGGTTTTGTG
AGCCTTGTAGCAATCCACATCCTTTGGTCTGGGCCAAACTGAAGGGGTTTCCATTCTGGCCTGCAAAAGC
TCTAAGGGATAAAGACGGGCAGGTCGATGCCCGATTCTTTGGACAACATGACAGGGCCTGGGTTCCAATA
AATAATTGCTACCTCATGTCTAAAGAAATTCCTTTTTCTGTGAAAAAGACTAAGAGCATCTTCAACAGTG
CCATGCAAGAGATGGAGGTTTACGTGGAGAACATCCGCAGGAAGTTTGGGGTTTTTAATTACTCTCCATT
TAGGACACCCTACACACCCAACAGCCAGTATCAAATGCTGCTCGATCCCACCAACCCCAGCGCCGGCACT
GCCAAGATAGACAAGCAGGAGAAGGTCAAGCTCAACTTTGACATGACGGCATCCCCCAAGATCCTGATGA
GCAAGCCTGTGCTGAGTGGGGGCACAGGCCGCCGGATTTCCTTGTCGGATATGCCGCGCTCCCCCATGAG
CACAAACTCTTCTGTGCACACGGGCTCCGACGTGGAGCAGGATGCTGAGAAGAAGGCCACGTCGAGCCAC
TTCAGTGCGAGCGAGGAGTCCATGGACTTCCTGGATAAGAGCACAGCTTCACCAGCCTCCACCAAGACGG
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GTTGTCAGATGGACAAAGAGCCATCTGCTGTTAAAAAAAAGCCCAAGCCTACAAACCCAGTGGAGATTAA
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TCAGCTACTGCTCCTCAGCAGGAAGCGGATGCTGAGGTGAACACAGAAACACTAAATAAGTCCTCCCAGG
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CAGTGATGAGAAGAGGGGATCGACACGTTCCGATCACAACACCAGTACCAGCACGAAGAGCCTCCTCCCG
AAAGAGTCTCGGCTGGACACCTTCTGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

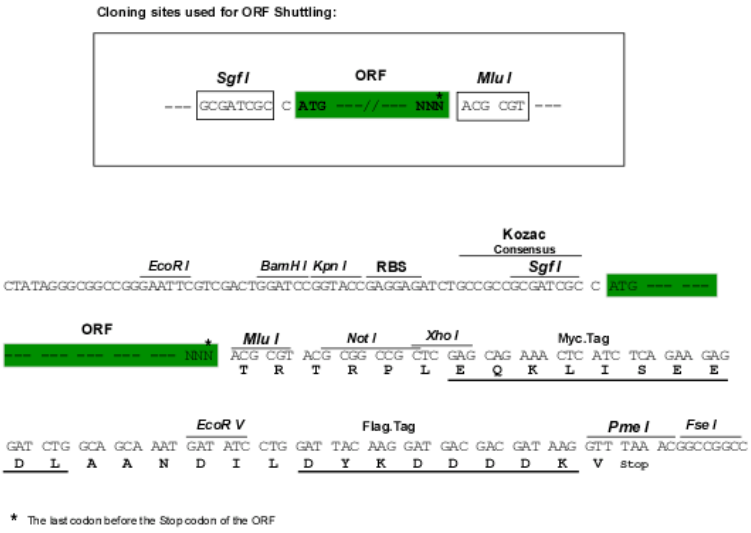
>RC239786 representing NM_001281779
Red=Cloning site Green=Tags(s)

MNEIEVCPECYLAACQKRDNWFCEPCSNPHPLVWAKLKGFPFWPAKALRDKDGQVDARFFGQHDRAWVPI
NNCYLMSKEIPFSVKKTKSIFNSAMQEMEVYVENIRRKFGVFNYSPFRTPYTPNSQYQMLLDPTNPSAGT
AKIDKQEKVKLNFDMTASPKILMSKPVLSGGTGRRISLSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSH
FSASEESMDFLDKSTASPASTKTGQAGSLSGSPKPFSPQLSAPITTKTDKTSTTGSILNLNLDRSKAEMD
LKELSESVQQQSTPVPLISPKRQIRSRFQLNLDKTIESCKAQLGINEISEDVYTAVEHSDSEDSEKSDSS
DSEYISDDEQKSKNEPEDTEDKEGCQMDKEPSAVKKKPKPTNPVEIKEELKSTSPASEKADPGAVKDKAS
PEPEKDFSEKAKPSPHPIKDKLKGKDETDSPTVHLGLDSDSESELVIDLGEDHSGREGRKNKKEPKEPSP
KQDVVGKTPPSTTVGSHSPPETPVLTRSSAQTSAAGATATTSTSSTVTVTAPAPAATGSPVKKQRPLLPK
ETAPAVQRVVWNSSTVQQKEITQSPSTSTITLVTSTQSSPLVTSSGSMSTLVSSVNADLPIATASADVAA
DIAKYTSKMMDAIKGTMTEIYNDLSKNTTGSTIAEIRRLRIEIEKLQWLHQQELSEMKHNLELTMAEMRQ
SLEQERDRLIAEVKKQLELEKQQAVDETKKKQWCANCKKEAIFYCCWNTSYCDYPCQQAHWPEHMKSCTQ
SATAPQQEADAEVNTETLNKSSQGSSSSTQSAPSETASASKEKETSAEKSKESGSTLDLSGSRETPSSIL
LGSNQGSVSKRCDKQPAYAPTTTDHQPHPNYPAQKYHSRSNKSSWSSSDEKRGSTRSDHNTSTSTKSLLP
KESRLDTFWD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

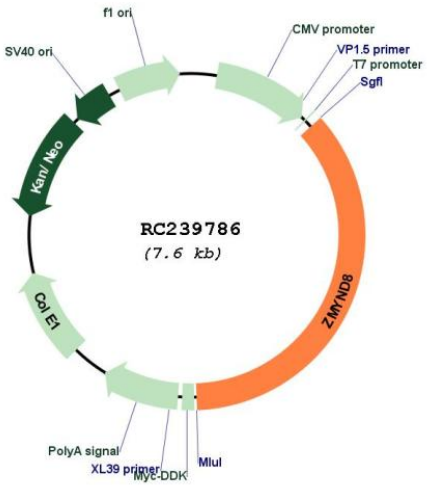
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001281779
ORF Size:	2760 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_001281779.3
RefSeq Size:	5464 bp
RefSeq ORF:	2763 bp
Locus ID:	23613
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Transcription Factors

MW: 101.4 kDa

Gene Summary: The protein encoded by this gene is a receptor for activated C-kinase (RACK) protein. The encoded protein has been shown to bind in vitro to activated protein kinase C beta I. In addition, this protein is a cutaneous T-cell lymphoma-associated antigen. Finally, the protein contains a bromodomain and two zinc fingers, and is thought to be a transcriptional regulator. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]