

Product datasheet for **RC240067**

PRKCBP1 (ZMYND8) (NM_001281775) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_001281775) 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:	>RC240067 representing NM_001281775 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAAACAGAACAGGAGGTGGTAGAGGGCATGGATATCT
CTACTCGCTCAAAGATCCTGGCTCTGCAGAGAGAACAGCCAGAAAAGAAAGTTCCCCAGCCCTCCACA
TTCTTCCAATGGCCACTCGCCGAGGACACATCAACAAGCCCATTA AAAAGAAAAGAAACCTGGCTTA
CTGAACAGTAACAATAAGGAGCAGTCAGAACTAAGACATGGTCCGTTTTACTATATGAAGCAGCCACTCA
CCACAGACCTGTTGATGTTGTACCGCAGGATGGACGGAATGATTTCTACTGCTGGGTTTGTACCAGGGA
AGGCCAAGTCCTTTGCTGTGAGCTCTGTCCCGGGTTTATCACGCTAAGTGTCTGAGACTGACATCGGAA
CCAGAGGGGGACTGGTTTTGCTCGAATGTGAGAAAATTACAGTAGCAGAATGCATCGAGACCCAGAGTA
AAGCCATGACAATGCTCACCATTGAACAGTTATCCTACCTGCTCAAGTTTGCATTTCAGAAAATGAAACA
GCCAGGGACAGATGCATTCCAGAAGCCGTTCCATTGGAACAGCACCCCTGACTATGCGGAATACATCTTC
CATCCAATGGACCTTTGTACATTGGAAGAAGTGCAGAAAAGAAAATGTATGGCTGCACAGAAGCCTTCC
TGGCTGATGCAAAGTGGATTTTGCACAACATGCATCATTTATAATGGGGGAAATCACAAATTGACGCAAT
AGCGAAAAGTAGTCATCAAATCTGTGAACATGAGATGAATGAAATCGAAGTATGTCCAGAATGTTATCTA
GCTGCTTGCCAAAAACGAGATAACTGGTTTTGTGAGCCTTGTAGCAATCCACATCCTTTGGTCTGGGCCA
AACTGAAGGGGTTTCCATTCTGGCTGCAAAAGCTCTAAGGGATAAAGACGGGCAGGTGCGATGCCGATT
CTTTGGACAACATGACAGGGCCTGGGTTCCAATAAATAATTGCTACCTCATGTCTAAAGAAATTCCTTTT
TCTGTGAAAAAGACTAAGAGCATCTTCAACAGTGCCATGCAAGAGATGGAGGTTTACGTGGAGAATCC
GCAGGAAGTTTGGGGTTTTAATACTCTCCATTTAGGACACCCTACACACCCACAGCCAGTATCAAAT
GCTGCTCGATCCCAACCCAGCGCCGACTGCCAAGATAGACAAGCAGGAGAAGGTCAAGCTCAAC
TTTGACATGACGGCATCCCCAAGATCCTGATGAGCAAGCCTGTGCTGAGTGGGGCACAGCCGCCGGA
TTTCCTTGTGGATATGCCGCGCTCCCCATGAGCACAACCTTCTGTGCACACGGGCTCCGACGTGGA
GCAGGATGCTGAGAAGAAGGCCACGTCGAGCCACTTCAGTGCAGCGAGGAGTCCATGGACTTCTGGAT
AAGAGCACAGTTACCAGCCTCCCAAGACGGGACAAGCAGGGAGTTTATCCGGCAGCCCAAAGCCCT



[View online >](#)

TCTCTCCTCAACTGTCAGCTCCTATCACGACGAAAACGGACAAAACCTCCACCACCGGCAGCATCCTGAA
TCTTAACCTGGATCGAAGCAAAGCTGAGATGGATTTGAAGGAGCTGAGCGAGTCCGGTCCAGCAACAGTCC
ACCCCTGTTCTCTCATCTCTCCCAAGCGCCAGATTTCGTAGCAGGTTCCAGCTGAATCTTGACAAGACCA
TAGAGAGTTGCAAAGCACAATTAGGCATAAATGAAATCTCGAAGATGTCTATACGGCCGTAGAGCACAG
CGATTCCGAGGATTCTGAGAAGTCAGATAGTAGCGATAGTGAGTATATCAGTGATGATGAGCAGAAGTCT
AAGAACGAGCCAGAAGACACAGAGGACAAAGAAGTTGTCAGATGGACAAAGGCCATCTGCTGTTAAAA
AAAAGCCCAAGCCTACAAACCCAGTGGAGATTAAGAGGAGCTGAAAAGCACGTCCAGCCAGCGAGAA
GGCAGACCCTGGAGCAGTCAAGGACAAGGCCAGCCCTGAGCCTGAGAAGGACTTTCCGAAAAGGCAAAA
CCTTCACCTCACCCATAAAGGATAAATGAAGGAAAAAGATGAGACGGATTCCCAACAGTCCATTGG
GCCTGGACTCTGATTCAGAGAGCGAACTTGTATAGATTTAGGAGAAGACCATTCTGGGCGGGAGGGTGC
AAAAAATAAGAAGGAACCCAAAGAACCATCTCCAAACAGGATGTTGTAGGTAAGTCCACCATCCACG
ACGGTGGGCGAGCCATTCTCCCCGGAACACCGGTGCTCACCCGCTCTTCCGCCAAACTCCGCGGCTG
GCGCCACAGCCACCACCAGCACGCTCCACGGTACCCTCACGGCCCCGGCCCCCGCCACAGGAAG
CCCAGTAAAAAGCAGAGGCCGTTTTACGAAGGAGACTGCCCGGCCGTGCAGCGGGTGTGTGGAAC
TCATCAAGTAAGTTTCAAACGTCTCCAAAAGTGGCACATGCAGAAGATGCAGCGTCAGCAGCAGCAGC
AGCAGCAGCAAAACCAGCAGCAGCAGCCTCAGTCTTCCAGGGGACGAGATATCAGACCAGACAGGCTGT
GAAAGCTGTCCAGCAGAAGGAGATCACACAGAGCCATCCACGTCCACCATCACCCCTGGTACCAGCACA
CAGTCATCGCCCCTGGTACCAGCTCGGGGTCCATGAGCACCTTGTGTCTCAGTCAACGCTGACCTGC
CCATCGCCACTGCCTCAGCTGATGTGCGCGCTGATATTGCCAAGTACACTAGCAAAATGATGGATGCAAT
AAAAGGAACAATGACAGAAATATAACAACGATCTTTCTAAAAACTACTGGAAGCACAATAGCTGAGATT
CGCAGGCTGAGGATCGAGATAGAGAAGCTCCAGTGGCTGCACCAGCAAGAGCTCTCCGAAATGAAACACA
ACTTAGAGCTGACCATGGCGGAGATGCGGCAGAGCCTGGAGCAGGAGCGGGACCGGCTCATCGCCGAGGT
GAAGAAGCAGCTGGAGTTGGAGAAGCAGCAGCGGTGGATGAGACCAAGAAGAAGCAGTGGTGCCCAAC
TGCAAGAAGGAGGCCATCTTTTACTGCTGTTGGAACACCAGCTACTGTGACTACCCCTGCCAGCAAGCCC
ACTGGCCTGAGCAGATGAAGTCCTGCACCCAGTCAGTACTGCTCCTCAGCAGGAAGCGGATGCTGAGGT
GAACACAGAAACTAAATAAGTCTCCAGGGGAGCTCCTCGAGCACACAATCAGCACCTTCAGAAAACG
GCCAGCGCCTCAAAGAGAAGGAGACGTCAGCTGAGAAAAGCAAGGAGAGTGGCTCGACCCTTGACCTTT
CTGGCTCCAGAGAGACGCCCTCCTCATTCTTTAGGCTCCAACCAAGGCTCTGTTAGCAAAAGGTGTGA
CAAGCAACCTGCCTATGCCCAACCACCACAGACCACCAGCCGCACCCCAACTACCCCGCCAGAAGTAC
CATTCCCGGAGTAATAAATCCAGTTGGAGCAGCAGTGATGAGAAGAGGGGATCGACACGTTCCGATCACA
ACACCAGTACCAGCACGAAGAGCCTCCTCCGAAAGAGTCTCGGCTGGACACCTTCTGGGAC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC240067 representing NM_001281775
 Red=Cloning site Green=Tags(s)

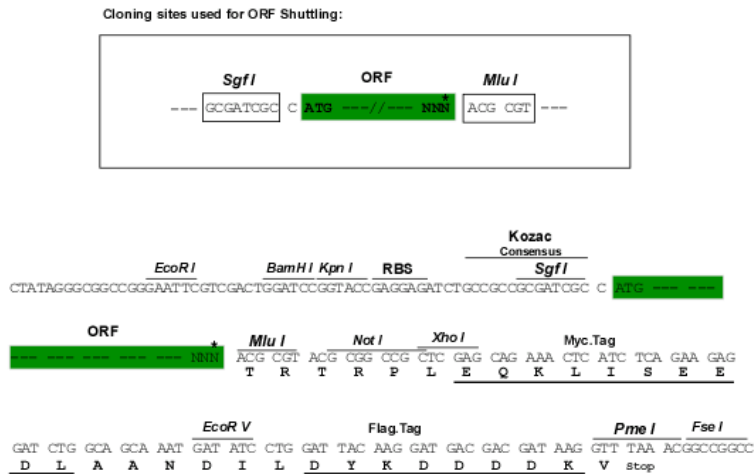
MHPQSLAEEEEIKTEQEVVEGMDISTRKDPGSAERTAQRKRFSPPHSSNGHSPQDTSTSPIKKKKKPGL
 LNSNNKEQSELRHGPFYYMKQPLTDPDVPVQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLTSE
 PEGDWFCECEKITVAECIETQSKAMTLTIEQLSYLLKFAIQMKQPGTDAFQKPVPLEQHPDYAEYIF
 HPMDLCTLEKNAKKMYGCTEAFADAKWILHNCIIYNGGNHKL TQIAKVVIKICEHEMNEIEVCEPECYL
 AACQKRDNWFCEPCSNPHPLVWAKLKGFPFPAKALRDKDGQVDARF FGQHDRAWVPINNCYLMSKEIPF
 SVKKTKSIFNSAMQEMEYVENIRRKFGVFNYSFRTPYTPNSQYQMLLDPTNPSAGTAKIDKQEKVKLN
 FDMTASPKILMSKPVLSGGTGRRISLSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSHFSASEESMDFLD
 KSTASPASTKTGQAGSLSGSPKPFSPQLSAPITTKTDKTSTTGSILNLNDRSKAEMDLKELSESVQQQS
 TPVPLISPKRQIRSRFQLNLDKTIESCQAQLGINEISEDVYTAVEHSDSESEKSDSSSEYISDDEQKS
 KNEPEDTEDKEGCQMDKEPSAVKKPKPTNPVEIKEELKSTSPASEKADPGAVKDKASPEPEKDFSEKAK
 PSPHPKDKLKGKDETDSPVHLGLDSDSESELVIDLGEDHSGREGRNKKKEPKESPKQDVVGGTTPPST
 TVGSHSPPETPVLTRSSAQTSAGATATTSTSSVTVTAPAPAATGSPVKKQRPLLPKETAPAVQRVWN
 SSSKFQTSQKWHMQMQRQQQQQQQQQQPQSSQGRYQTRQAVKAVQKEITQSPSTSTITLVTST
 QSSPLVTSQSMSTLVSSVNADLPIATASADVAADIAKYTSKMMDAIKGTMTEIYNDLSKNTTGSTIAEI
 RRLRIEIEKLQWLHQQELSEMKNLEL TMAEMRQSLERDRLIAEVKKQLELEKQAVDETKKKQWCAN
 CKKEAIFYCCWNTSYCDYPCQAHWPEHMKCTQSATAPQAEADAENVTEITLNKSSQSSSTQSAPSET
 ASASKEKETSAEKSKESGSLDLSGSRETPSSILLGSNQGVSVKRCDKQPAYAPTTTDHQHPHPNPAQKY
 HSRSNKSSWSSSDEKRGSTRSDHNTSTSTKSLLPKESRLDTFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

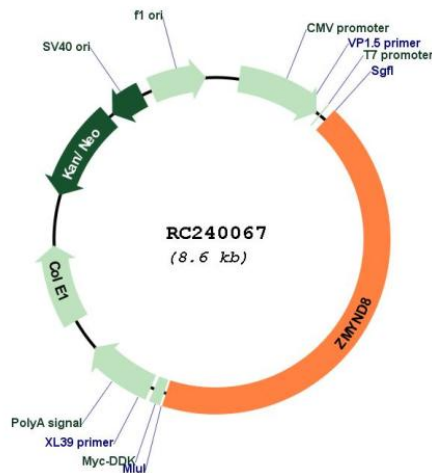
SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001281775

ORF Size: 3702 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_001281775.3](#)

RefSeq Size: 5471 bp

RefSeq ORF: 3705 bp

Locus ID: 23613

UniProt ID: [Q9ULU4](#)

Cytogenetics: 20q13.12

Protein Families: Druggable Genome, Transcription Factors

MW: 137.6 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]