

Product datasheet for **RG240067**

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:	TurboGFP
Symbol:	PRKCBP1
Synonyms:	PRKCBP1; PRO2893; RACK7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240067 representing NM_001281775. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAAACAGAACAGGAGGTGGTAGAGGGCATGGATATC
TCTACTCGCTCAAAGATCCTGGCTCTGCAGAGAGAACAGCCCAGAAAAGAAAGTTCCCCAGCCCTCCA
CATTCTTCCAATGGCCACTCGCCGACGACACATCAACAAGCCCCATTAAAAAGAAAAAGAAACCTGGC
TTACTGAACAGTAACAATAAGGAGCAGTCAGAATAAGACATGGTCCGTTTTACTATATGAAGCAGCCA
CTCACCACAGACCCTGTTGATGTTGTACCGCAGGATGGACGGAATGATTTCTACTGCTGGTTTTGCAC
CGGAAGGCCAAGTCCTTTGCTGTGAGCTCTGTCCCCGGTTTTATCAGCTAAGTGTCTGAGACTGACA
TCGGAACCCAGAGGGGACTGGTTTTGCTGTAATGTGAGAAAATTACAGTAGCAGAAATGCATCGAGACC
CAGAGTAAAGCCATGACAATGCTCACCATTGAACAGTTATCCTACCTGCTCAAGTTTGCCATTCAGAAA
ATGAAACAGCCAGGGACAGATGCATTCCAGAAGCCGTTCCATTGGAACAGCACCCCTGACTATGCGGAA
TACATCTTCCATCCAATGGACCTTTGTACATTGGAAAAGAATGCGAAAAAGAAAAATGATGGCTGCACA
GAAGCCTTCTGGCTGATGCAAAGTGGATTTTGCACAATGCATCATTTATAATGGGGGAAATCACAAA
TTGACGCAAAATAGCGAAAGTAGTCATCAAAATCTGTGAACATGAGATGAATGAAATCGAAGTATGTCCA
GAATGTTATCTAGCTGCTTGCCAAAAACGAGATAACTGGTTTTGTGAGCCTTGTAAGGATAAAGACGGGCAG
GTGATGCCCGATTCTTTGGACAACATGACAGGGCCTGGGTTCCAATAAATAATTGCTACCTCATGTCT
AAAGAAATTCCTTTTTCTGTGAAAAAGACTAAGAGCATCTTCAACAGTGCCATGCAAGAGATGGAGGTT
TACGTGGAGAACATCCGACGGAAGTTTGGGGTTTTTAATTACTCTCCATTTAGGACACCCTACACCCC
AACAGCCAGTATCAAAATGCTGCTCGATCCCAACACCCAGCGCCGCGACTGCCAAGATAGACAAGCAG
GAGAAGGTCAAGCTCAACTTTGACATGACGGCATCCCCAAGATCCTGATGAGCAAGCCTGTGCTGAGT
GGGGGCACAGGCCCGGATTTCCTTGTGCGATATGCCGCTCCCCATGAGCACAAACTTTCTGTG
CACACGGGCTCCGACGTGGAGCAGGATGCTGAGAAAGAGCCACGTCGAGCCACTTCAGTCCGAGCGAG
GAGTCCATGGACTTCTGGATAAGAGCACAGCTTCACCAGCTCCACCAAGACGGGACAAGCAGGGAGT
```



[View online »](#)

TTATCCGGCAGCCCAAAGCCCTTCTCTCCTCAACTGTCAGCTCCTATCACGACGAAAACGGACAAAACC
TCCACCACCGGCAGCATCCTGAATCTTAACCTGGATCGAAGCAAAGCTGAGATGGATTTGAAGGAGCTG
AGCGAGTCGGTCCAGCAACAGTCCACCCCTGTTCTCTCATCTCTCCCAAGCGCCAGATTCGTAGCAGG
TTCCAGCTGAATCTTGACAAGACCATAGAGAGTTGCAAAGCACAATTAGGCATAAATGAAATCTCGGAA
GATGCTATACGGCCGTAGAGCACAGCGATTCCGGAGGATTCTGAGAAGTCAGATAGTAGCGATAGTGAG
TATATCAGTGATGATGAGCAGAAGTCTAAGAACGAGCCAGAAGACACAGAGGACAAAGAAGTTGTCTAG
ATGGACAAAGAGCCATCTGCTGTTAAAAAAAAGCCCAAGCCTACAAACCCAGTGGAGATTAAGAGGGAG
CTGAAAAGCACGTCACCAGCCAGCGAGAAGGCAGACCCTGGAGCAGTCAAGGACAAGGCCAGCCCTGAG
CCTGAGAAGGACTTTTCCGAAAAGGCAAAACCTTACCTCACCCATAAAGGATAAACTGAAGGGAAAA
GATGAGACGGATTCCCAACAGTCCATTTGGGCTGGACTCTGATTCAGAGAGCGAACTTGTCTATAGAT
TTAGGAGAAGACCATTCTGGGCGGGAGGGTCGAAAAAATAAGAAGGAACCCAAAGAACCATCTCCAAA
CAGGATGTTGTAGGTAATACTCCACCATCCACGACGGTGGGCAGCCATTCTCCCCGAAAACACCGGTG
CTCACCCGCTCTCCGCCAACTTCCGCGCTGGCGCCACAGCCACCACCAGCACGTCTCCACGGTC
ACCGTCACGGCCCCGGCCCCGCCGCCACAGGAAGCCAGTGA AAAAGCAGAGGCCGCTTTTACCGAAG
GAGACTGCCCCGGCCGTGACGCGGTCTGTGGAACCTCATCAAGTAAGTTCAAACGTCTCCAAAAG
TGGCAGATGCAGAAGATGCAGCGTCAGCAGCAGCAGCAGCAGCAAAAACCAGCAGCAGCAGCCTCAG
TCTTCCCAGGGGACGAGATATCAGACCAGACAGGCTGTGAAAGCTGTCCAGCAGAAGGAGATCACACAG
AGCCCATCCAGTCCACCATCACCTGGTGACCAGCACACAGTCAATCGCCCTGGTACCAGCTCGGGG
TCCATGAGCACCTTGTGTCTCAGTCAACGCTGACCTGCCCATCGCCACTGCCTCAGCTGATGTGCC
GCTGATATTGCCAAGTACACTAGCAAAATGATGGATGCAATAAAAGGAACAATGACAGAAATATACAAC
GATCTTTCTAAAAACACTACTGGAAGCACAATAGCTGAGATTCGACGGCTGAGGATCGAGATAGAGAAG
CTCCAGTGGCTGCACCAGCAAGAGCTCTCCGAAATGAAACACAACCTTAGAGCTGACCATGGCCGAGATG
CGGCAGAGCCTGGAGCAGGAGCGGGACCGGCTCATCGCCGAGGTGAAGAAGCAGCTGGAGTTGGAGAAG
CAGCAGGCGGTGGATGAGACCAAGAAGAAGCAGTGGTGCCCAACTGCAAGAAGGAGGCCATCTTTTAC
TGCTGTTGGAACACCAGCTACTGTGACTACCCCTGCCAGCAAGCCCACTGGCCTGAGCACATGAAGTCC
TGCACCCAGTCAGCTACTGCTCCTCAGCAGGAAGCGGATGCTGAGGTGAACACAGAAACTAAATAAG
TCCTCCCAGGGGAGCTCCTCGAGCACACAATCAGCACCTTCAGAAACGGCCAGCGCTCCAAAGAGAAG
GAGACGTCAGCTGAGAAAAGCAAGGAGAGTGGCTCGACCCTTGACCTTTCTGGCTCCAGAGAGACGCC
TCCTCCATTCTTAGGCTCAACCAAGGCTCTGTTAGCAAAAGGTGTGACAAGCAACCTGCCTATGCC
CCAACCACCACAGACCACCAGCCGACCCCAACTACCCCGCCAGAAGTACCATTCCCGGAGTAATAAA
TCCAGTTGGAGCAGCAGTATGAGAAGAGGGGATCGACACGTTCCGATCACAACACCAGTACCAGCAG
AAGAGCTCCTCCGAAAAGAGTCTCGGCTGGACACCTTCTGGGAC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

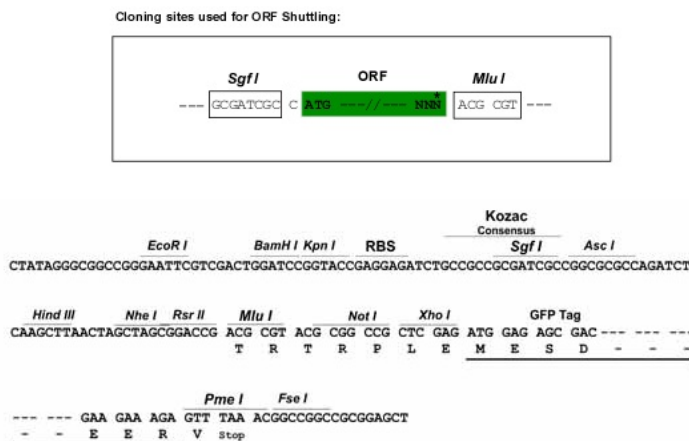
Protein Sequence: >Peptide sequence encoded by RG240067
 Blue=ORF Red=Cloning site Green=Tag(s)

```

MHPQSLAEEEEIKTEQEVVEGMDISTRKDPGSAERTAQRKRFSPHSSNGHSPQDTSTSPIKKKKKPG
LLNSNNKEQSELRHGPFYYMKQPLTDDPVDVVPQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLLT
SEPEGDFWCPCEKIEITVAECIETQSKAMTMTIEQLSYLLKFAIQKMKQPGTDAFQKPVPLEQHPDYAE
YIFHPMDLCTLEKNAKKKMYGCTEAFLADAKWILHNCIIYNGGNHKLQIAKVVIKICEHEMNEIEVCP
ECYLAACQKRDNWFCEPCSNPHPLVWAKLKGFFWPAKALRDKDQVDARFFGQHDRAWVPIINNCYLMS
KEIPFSVKKTKSIFNSAMQEMEYVENIRRKFGVFNYSPFRTPYTPNSQYQMLLDPTNPSAGTAKIDKQ
EKVKLNFDMTASPKILMSKPVLSGGTGRRIISLSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSHFSASE
ESMDFLDKSTASPASTKTGQAGSLSGSPKPFSPQLSAPITTKTDKTSTTGSILNLNLDKSKAEMDLKEL
SESVQQQSTPVPLISPKRQIRSRFQLNLDKTIESCQALGINEISEDVYAVEHSDSESDSEKSDSSDSE
YISDDEQKSKNEPEDTEDKEGCQMDKESAVKKKPKPTNPVEIKEELKSTSPASEKADPGAVKDKASPE
PEKDFSEKAKPSPHIKDKLKGDETDSPVHLGLDSDSESELVIDLGEDHSGREGKKNKKEPKESPK
QDVVVGKTPPSTTVGSHSPPETPVLTRSSAQTSAGATATTSTSSVTVTAPAPAATGSPVKQRPLLPK
ETAPAVQRVVWSSSKFQTSSQKWHMQMKQRQQQQQQQQQQQSSQGRYQTRQAVKAVQQKEITQ
SPSTSTITLVTSTQSSPLVTSSGSMSTLVSSVNADLPIATASADVAADI AKYTSKMMDAIKGMTIYIN
DLKNTTGSTIAEIRRLRIEIEKLQWLHQQLSEMKNLEL TMAEMRQSLERDRLIAEVKQLELEK
QQAVDETKKKQWCANCKEAFYCCWNTSYCDYPCQAAHWPEHMKCTQSATAPQQEADAENVNTETLNK
SSQGSSTQSAPSETASASKEKETSAEKSKESGSLDLSGSRETPSSILLGSNQGVSVKRCDKQPAYA
PTTDDHQPHNYPAPQKYHSRNSKSSWSSSDEKRGSTRSDHNTSTSKLLPKESRLDTFWD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
```

Restriction Sites: SgfI-MluI

Cloning Scheme:



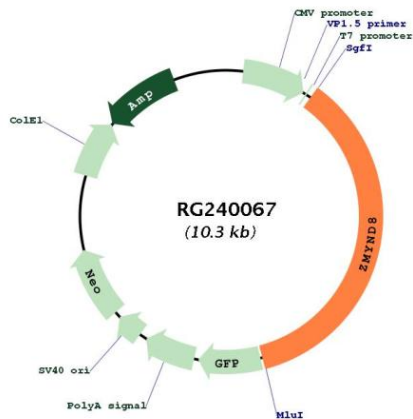
ACCN: NM_001281775

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).
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]

Product images:



Circular map for RG240067