

Product datasheet for **RG240029**

PRKCBP1 (ZMYND8) (NM_001281778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_001281778) 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:	>RG240029 representing NM_001281778. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAACAGAACAGGAGGTGGTAGAGGGCATGGATATC
TCTACTCGCTCAAAGATCCTGGCTCTGCAGAGAGAACAGCCAGAAAAGAAAGTTCCCCAGCCCTCCA
CATTCTTCCAATGGCCACTCGCCGACGACACATCAACAAGCCCCATTAAAAAGAAAAGAAACCTGGC
TACTGAACAGTAACAATAAGGAGCAGGATGGACGGAATGATTTCTACTGCTGGGTTTGTACCCGGGAA
GGCCAAGTCTTTGCTGTGAGCTCTGTCCCGGGTTTATCAGCTAAGTGTCTGAGACTGACATCGGAA
CCAGAGGGGGACTGGTTTTGTCCTGAATGTGAGAAAATTACAGTAGCAGAATGCATCGAGACCCAGAGT
AAAGCCATGACAATGCTCACCATTGAACAGTTATCCTACCTGCTCAAGTTTGCCATTGAGAAAATGAAA
CAGCCAGGGACAGATGCATTCCAGAAGCCGTTCCATTGGAACAGCACCCCTGACTATGCGGAATACATC
TTCCATCCAATGGACCTTTGTACATTGGAAAAGAATGCGAAAAGAAAATGTATGGCTGCACAGAAGCC
TTCTGGCTGATGCAAAGTGGATTTTGCACAACATGCATCATTTATAATGGGGGAAATCACAAATTGACG
CAAATAGCGAAAGTAGTCATCAAATCTGTGAACATGAGATGAATGAAATCGAAGTATGTCCAGAATGT
TATCTAGCTGCTTGCCAAAACGAGATAACTGGTTTTGTGAGCCTTGTAGCAATCCACATCCTTTGGTC
TGGCCAAACTGAAGGGGTTTCCATTCTGGCCTGCAAAAGCTCTAAGGGATAAAGACGGGCAGGTCGAT
GCCCGATTTCTTTGGACAACATGACAGGGCCTGGGTTCCAATAAATAATTGCTACCTCATGTCTAAGGAA
ATTCTTTTTCTGTGAAAAGACTAAGAGCATCTTCAACAGTGCCATGCAAGAGATGGAGGTTTACGTG
GAGAACATCCGCAGGAAGTTTGGGGTTTTAATTACTCTCCATTTAGGACACCCTACACACCCAACAGC
CAGTATCAAATGCTGCTCGATCCCAACCCAGCGCCGGCACTGCCAAGATAGACAAGCAGGAGAAG
GTCAAGCTCAACTTTGACATGACGGCATCCCCAAGATCCTGATGAGCAAGCCTGTGCTGAGTGGGGGC
ACAGGCCCGCGGATTTCTTTGTCGGATATGCCGCTCCCCATGAGCACAACTCTTCTGTGCACAGC
GGCTCCGACGTGGAGCAGGATGCTGAGAAGAAGGCCACGTCGAGCCACTTCAGTGCAGCGAGGAGTCC
ATGGACTTCTGGATAAGAGCACAGCTTACCAGCCTCCACCAAGACGGGACAAGCAGGGAGTTTATCC
GGCAGCCAAAGCCCTTCTCCTCAACTGTCAGCTCCTATCAGACGAAAACGGACAAAACCTCCACC
```



[View online »](#)

ACCGGCAGCATCCTGAATCTTAACCTGGATCGAAGCAAAGCTGAGATGGATTTGAAGGAGCTGAGCGAG
TCGGTCCAGCAACAGTCCACCCCTGTTCTCTCATCTCTCCCAAGCGCCAGATTCGTAGCAGGTTCCAG
CTGAATCTTGACAAGACCATAGAGAGTTGCAAAGCACAATTAGGCATAAATGAAATCTCGGAAGATGTC
TATACGGCCGTAGAGCACAGCGATTTCGGAGGATTCTGAGAAGTCAGATAGTAGCGATAGTGAGTATATC
AGTGATGATGAGCAGAAGTCTAAGAACGAGCCAGAAGACACAGAGGACAAAGAAGGTTGTCAGATGGAC
AAAGAGCCATCTGCTGTTAAAAAAAAGCCCAAGCCTACAAACCCAGTGGAGATTAAGAGAGGAGCTGAAA
AGCAGCTCACCAGCCAGCGAGAAGGCAGACCCCTGGAGCAGTCAAGGACAAGGCCAGCCCTGAGCCTGAG
AAGGACTTTTCCGAAAAGGCAAAACCTTCACCTCACCCATAAAGGATAAACTGAAGGGAAAAGATGAG
ACGGATTCCCAACAGTCCATTTGGGCCTGGACTCTGATTCAGAGAGCGAACTTGTTCATAGATTTAGGA
GAAGACCATCTGGGCGGGAGGGTCAAAAAATAAGAAGGAACCCAAAGAACCATCTCCCAACAGGAT
GTTGTAGGTAAAACCTCCACCATCCACGACGGTGGGCGAGCCATTCTCCCCGGAACACCGGTGCTCACC
CGCTCTTCGCCCCAACTTCGCGGCTGGCGCCACAGCCACCACCAGCACGTCTCCACGGTCACCGTC
ACGGCCCCGGCCCCGCCACAGGAAGCCAGTAAAAAGCAGAGGCCGCTTTTACCGAAGGAGACT
GCCCGGCGGTGCAGCGGTGCTGTGAACTCATCAAGTAAGTTTCAAACGTCTCCAAAAGTGGCAC
ATGCAGAAGATGCAGCGTCAGCAGCAGCAGCAGCAGCAGCAAAACCAGCAGCAGCAGCCTCAGTCTTCC
CAGGGGACGAGATATCAGACCAGACAGGCTGTGAAAGCTGTCCAGCAGAAGGAGATCACACAGAGCCCA
TCCACGTCCACCATCACCTGGTGACCAGCACACAGTCATCGCCCTGGTACCAGCTCGGGTCCATG
AGCACCTTGTGTCTCAGTCAACGCTGACCTGCCATCGCCACTGCCTCAGCTGATGTCGCCGCTGAT
ATTGCCAAGTACACTAGCAAAATGATGGATGCAATAAAAGGAACAATGACAGAAATATAACAGTCTT
TCTAAAAACACTACTGGAAGCACAATAGCTGAGATTTCGCAGGCTGAGGATCGAGATAGAGAAGCTCCAG
TGGCTGCACCAGCAAGAGCTCTCCGAAATGAAACACAATTAGAGCTGACCATGGCGGAGATGCGGCAG
AGCCTGGAGCAGGAGCGGACCGGCTCATCGCCGAGGTGAAGAAGCAGCTGGAGTTGGAGAAGCAGCAG
GCGGTGGATGAGACCAAGAAGAAGCAGTGGTGCGCCAACTGCAAGAAGGAGGCCATCTTTACTGCTGT
TGGAACACCAGCTACTGTGACTACCCCTGCCAGCAAGCCCACTGGCCTGAGCACATGAAGTCTGCACC
CAGTCAGTACTGCTCCTCAGCAGGAAGCGGATGCTGAGGTGAACACAGAAACACTAAATAAGTCTTCC
CAGGGGAGCTCCTCGAGCACACAATCAGCACCTTCAGAAACGGCCAGCGCCTCCAAAGAGAAGGAGACG
TCAGCTGAGAAAAGCAAGGAGAGTGGCTCGACCCTTGACCTTTCTGGCTCCAGAGAGACGCCCTCTCC
ATTCTCTTAGGCTCAACCAAGGCTCTGACCATTCCCGGAGTAATAAATCCAGTTGGAGCAGCAGTAT
GAGAAGAGGGGATCGACACGTTCCGATCACAACACCAGTACCAGCACGAAGAGCCTCTCCCGAAAGAG
TCTCGGCTGGACACCTTCTGGAC

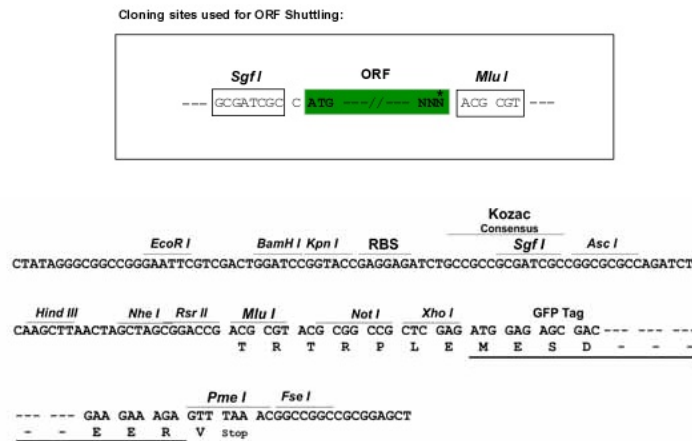
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG240029
 Blue=ORF Red=Cloning site Green=Tag(s)

MHPQSLAEEEEIKTEQEVVEGMDISTRKDPGSAERTAQRKRFSPPHSSNGHSPQDTSTSPIKKKKPKG
 LLNSNNKEQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLTSEPEGDFWCPECEKITVAECIETQS
 KAMTMLTIEQLSYLLKFAIQMKMQPGTDAFQKPVPLEQHPDYAEYIFHPMDLCTLEKNAKKMYGCTEA
 FLADAKWILHNCIIYNGGNHKLQIAKVVIKICEHEMNEIEVCPECYLAACQKRDNWFCEPCSNPHPLV
 WAKLKGFPFPAKALRDKDQVDFRFFGQHDRAWVPINNCYLMSKEIPFSVKTKSIFNSAMQEMEYVV
 ENIRRFKGVFNYSFRTPTPNPNSQYQMLLDPTNPSAGTAKIDKQEKVKLNFDMTASPILMSKPVLSSG
 TGRRIISLSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSHFSAEESMDFLDKSTASPASTKTGQAGSL
 GSPKPFSPQLSAPITTKDKTSTTGSILNLDNRKAEMDLKELSESVQQQSTPVPLISPKRQIRSRFQ
 LNLDKTIESCKAQLGINEISEDVYTAVEHSDSESEKSDSSDSEYISDDEQKSKNEPEDTEDKEGCQMD
 KEPSAVKKKPKPTNPVEIKEELKSTSPASEKADPGAVKDKASPEPEKDFSEKAKPSHPKDKLKGKDE
 TDSPTVHLGLDSDSESELVIDLGEDHSGREGRNKKKEPKESPKQDVVGKTPPSTTVGSHSPPETPVL
 RSSAQTSAAGATATTSTSVTVTAPAPAAATGSPVKKQRLLPKETAPAVQRVVWNSSSKFQTSQKWH
 MQKMQRQQQQQQNQQQPQSSQGRYQTRQAVKAVQQKEITQSPSTSTITLVTSTQSSPLVTSQSSM
 STLVSVNADLPIATASADVAADIAKYTSKMMDAIKGTMTIYNDL SKNTTGSTIAEIRRLRIEIEKLQ
 WLHQEQLSEMKNLEL TMAEMRQSLEQERDRLIAEVKKQLELEKQAVDETKKQWCANCKEAFYCC
 WNTSYCDYPCQQAHWPEHMKCTQSATAPQQEADAVENTETLNKSSQSSSTQSAPSETASASKEKET
 SAEKSKESGTLDLSGSRETSSILLGNSQGS DHSRSNKSSWSSSDEKRGSTRSDHNTSTSTKSLLPKE
 SRLDTFWD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSRTRTFLRDLGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERY

Restriction Sites: SgfI-MluI

Cloning Scheme:

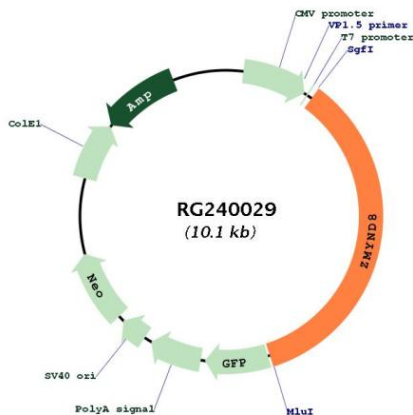


ACCN: NM_001281778

ORF Size: 3543 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_001281778.3
RefSeq Size:	5312 bp
RefSeq ORF:	3546 bp
Locus ID:	23613
UniProt ID:	Q9ULU4
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Transcription Factors
MW:	131.5 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 RG240029