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# Product datasheet for RG239745

## PRKCBP1 (ZMYND8) (NM_001281780) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | PRKCBP1 (ZMYND8) (NM_001281780) 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) |

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**ORF Nucleotide Sequence:**

>RG239745 representing NM_001281780.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATGAAATCGAAGTATGTCCAGAATGTTATCTAGCTGCTTGCCAAAAACGAGATAACTGGTTTTGT
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GCTCTAAGGGATAAAGACGGGCAGGTCGATGCCCGATTCTTTGGACAACATGACAGGGCCTGGGTTCCA
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GGCACTGCCAAGATAGACAAGCAGGAGAAGGTCAAGCTCAACTTTGACATGACGGCATCCCCCAAGATC
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CCCATGAGCACAAACTCTTCTGTGCACACGGGCTCCGACGTGGAGCAGGATGCTGAGAAGAAGGCCACG
TCGAGCCACTTCAGTGCGAGCGAGGAGTCCATGGACTTCCTGGATAAGAGCACAGCTTCACCAGCCTCC
ACCAAGACGGGACAAGCAGGGAGTTTATCCGGCAGCCCAAAGCCCTTCTCTCCTCAACTGTCAGCTCCT
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CACTGGCCTGAGCACATGAAGTCCTGCACCCAGTCAGCTACTGCTCCTCAGCAGGAAGCGGATGCTGAG
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ACCAGCACGAAGAGCCTCCTCCCGAAAGAGTCTCGGCTGGACACCTTCTGGGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

**Protein Sequence:**

>Peptide sequence encoded by RG239745
Blue=ORF Red=Cloning site Green=Tag(s)

MNEIEVCPECYLAACQKRDNWFCEPCSNPHPLVWAKLKGFPFWPAKALRDKDGQVDARFFGQHDRAWVP
INNCYLMSKEIPFSVKKTKSIFNSAMQEMEVYVENIRRKFGVFNYSPFRTPYTPNSQYQMLLDPTNPSA
GTAKIDKQEKVKLNFDMTASPKILMSKPVLSGGTGRRISLSDMPRSPMSTNSSVHTGSDVEQDAEKKAT
SSHFSASEESMDFLDKSTASPASTKTGQAGSLSGSPKPFSPQLSAPITTKTDKTSTTGSILNLNLDRSK
AEMDLKELSESVQQQSTPVPLISPKRQIRSRFQLNLDKTIESCKAQLGINEISEDVYTAVEHSDSEDSE
KSDSSDSEYISDDEQKSKNEPEDTEDKEGCQMDKEPSAVKKKPKPTNPVEIKEELKSTSPASEKADPGA
VKDKASPEPEKDFSEKAKPSPHPIKDKLKGKDETDSPTVHLGLDSDSESELVIDLGEDHSGREGRKNKK
EPKEPSPKQDVVGKTPPSTTVGSHSPPETPVLTRSSAQTSAAGATATTSTSSTVTVTAPAPAATGSPVK
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ATASADVAADIAKYTSKMMDAIKGTMTEIYNDLSKNTTGSTIAEIRRLRIEIEKLQWLHQQELSEMKHN
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HWPEHMKSCTQSATAPQQEADAEVNTETLNKSSQGSSSSTQSAPSETASASKEKETSAEKSKESGSTLD
LSGSRETPSSILLGSNQGSDHSRSNKSSWSSSDEKRGSTRSDHNTSTSTKSLLPKESRLDTFWD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
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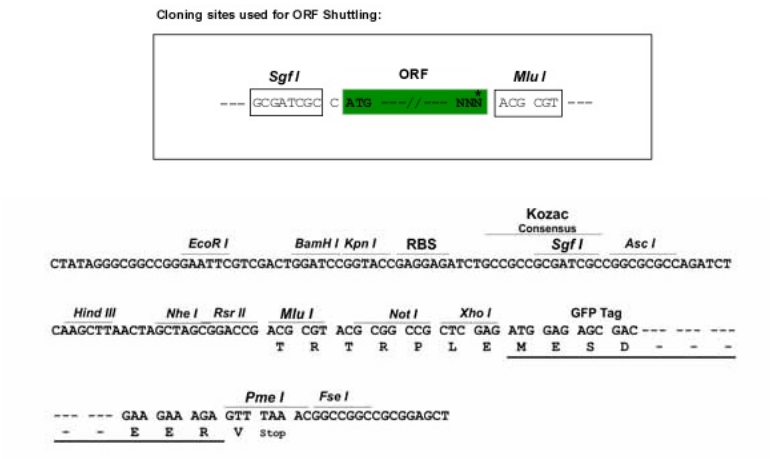
**Restriction Sites:** SgfI-MluI

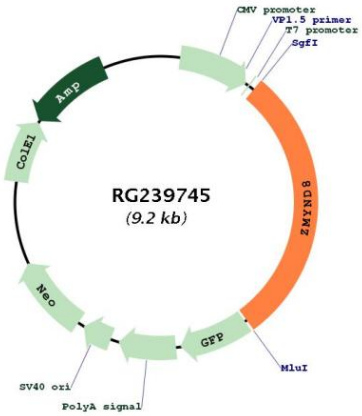
**Cloning Scheme:**




| | |
|---|---|
| **ACCN:** | NM_001281780 |
| **ORF Size:** | 2676 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_001281780.3 |
| **RefSeq Size:** | 5380 bp |
| **RefSeq ORF:** | 2679 bp |

| | |
|---|---|
| **Locus ID:** | 23613 |
| **Cytogenetics:** | 20q13.12 |
| **Protein Families:** | Druggable Genome, Transcription Factors |
| **MW:** | 98.2 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 RG239745