

Product datasheet for **RG236112**

PRKCBP1 (ZMYND8) (NM_001281769) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRKCBP1 (ZMYND8) (NM_001281769) 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: >RG236112 representing NM_001281769.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAAACAGAACAGGAGGTGGTAGAGGCATGGATATC
TCTACTCGCTCAAAGATCCTGGCTCTGCAGAGAGAACAGCCCAGAAAAGAAAGTTCCCCAGCCCTCCA
CATTCTTCCAATGGCCACTCGCCGAGGACACATCAACAAGCCCCATTAAAAAGAAAAAGAAACCTGGC
TTACTGAACAGTAACAATAAGGAGCAGTCAGAATAAGACATGGTCCGTTTTACTATATGAAGCAGCCA
CTCACCACAGACCCTGTTGATGTTGTACCGCAGGATGGACGGAATGATTCTACTGCTGGGTTTGTAC
CGGAAGGCCAAGTCCTTTGCTGTGAGCTCTGTCCCCGGTTTATCACGCTAAGTGTCTGAGACTGACA
TCGGAACCAGAGGGGACTGGTTTTGCTCCTGAATGTGAGGTTAGTCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236112
Blue=ORF Red=Cloning site Green=Tag(s)

```
MHPQSLAEEEEIKTEQEVVEGMDISTRKDPGSAERTAQRKRFSPPHSSNGHSPQDTSTSPIKKKKPKG
LLNSNNKEQSELRHGPFYYMKQPLTDPVDVVPQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLT
SEPEGDWFCPECEVSS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDVSHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



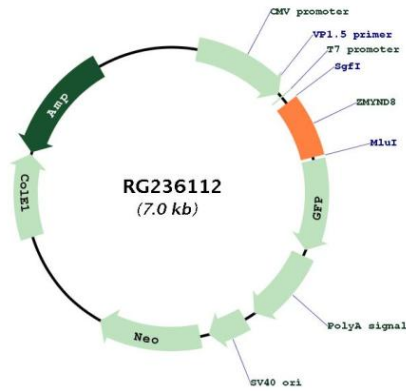
Cloning Scheme:


- ACCN:** NM_001281769
- ORF Size:** 462 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_001281769.1](#), [NP_001268698.1](#)
- RefSeq Size:** 1288 bp
- RefSeq ORF:** 465 bp
- Locus ID:** 23613
- Cytogenetics:** 20q13.12
- Protein Families:** Druggable Genome, Transcription Factors
- MW:** 17.9 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 RG236112