

## Product datasheet for **SC337911**

### PRKCBP1 (ZMYND8) (NM\_001281774) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_001281774) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZMYND8
Synonyms:	PRKCBP1; PRO2893; RACK7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001281774, the custom clone sequence may differ by one or more nucleotides

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ATGGATATCTCTACTCGCTCAAAGATCTGGCTCTGCAGAGAGAACAGCCAGAAAAGAAAGTTCCCA  
GCCCTCCACATTCTTCCAATGGCCACTCGCCGACAGGACACATCAACAAGCCCATTAAGAAAGAAAAGAA  
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CAGCCACTCACCACAGACCCTGTTGATGTTGTACCGCAGGATGGACGGAATGATTTCTACTGCTGGGTTT  
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GGCCGCCGATTTCCTTGTGCGATATGCCGCGCTCCCCATGAGCACAACCTCTTCTGTGCACACGGGCT  
CCGACGTGGAGCAGGATGCTGAGAAGAAGGCCACGTGAGCCACTTCAGTGCAGCGAGGAGTCCATGGA  
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CCAAAGCCCTTCTCCTCAACTGTCAGCTCCTATCACGACGAAAACGGACAAAACCTCCACCACGGCA  
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GCAACAGTCCACCCCTGTTCTCTCATCTCTCCCAAGCGCCAGATTTCGTAGCAGGTTCCAGCTGAATCTT  
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 GCAGAAGTCTAAGAACGAGCCAGAAGACACAGAGGACAAAGAAGTTGTCAGATGGACAAAGAGCCATCT  
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 CCAGCGAGAAGGCAGACCCTGGAGCAGTCAAGGACAAGGCCAGCCCTGAGCCTGAGAAGGACTTTTCCGA  
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 TGGTGCGCCAACTGCAAGAAGGAGGCCATCTTTACTGCTGTTGGAACACCAGCTACTGTGACTACCCCT  
 GCCAGCAAGCCACTGGCCTGAGCAGATGAAGTCTGCACCCAGTCAGCTACTGCTCCTCAGCAGGAAGC  
 GGATGCTGAGGTGAACACAGAAACACTAAATAAGTCTCCAGGGGAGCTCCTCGAGCACACAATCAGCA  
 CCTTCAGAAACGGCCAGCGCCTCAAAGAGAAGGAGACGTCAGCTGAGAAAAGCAAGGAGGTGGTTCGA  
 CCCTTGACCTTTCTGGCTCCAGAGAGACGCCCTCTCCATTCTCTTAGGCTCCAACCAAGGCTCTGTTAG  
 CAAAAGGTGTGACAAGCAACCTGCCTATGCCCCAACCCACAGACCACCAGCCGACCCCAACTACCCC  
 GCCCAGAAGTACCATTCCCGGAGTAATAATCCAGTTGGAGCAGCAGTGTGAGAAGAGGGGATCGACAC  
 GTTCCGATCACAACACCAGTACCAGCACGAAGAGCCTCTCCGAAAGAGTCTCGGCTGGACACCTTCTG  
 GGACTAG

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001281774
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001281774.2](#), [NP\\_001268703.1](#)
- RefSeq Size:** 5404 bp

RefSeq ORF: 3507 bp

Locus ID: 23613

UniProt ID: [Q9ULU4](#)

Cytogenetics: 20q13.12

Protein Families: Druggable Genome, Transcription Factors

**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]

Transcript Variant: This variant (8) differs in its 5' UTR, and initiates translation from a downstream start codon, compared to variant 1. The encoded isoform (h) has a shorter N-terminus, compared to isoform a.