

## Product datasheet for **SC115423**

### PRKCBP1 (ZMYND8) (NM\_012408) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_012408) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRKCBP1
Synonyms:	PRKCBP1; PRO2893; RACK7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012408, the custom clone sequence may differ by one or more nucleotides

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ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAACAGAACAGGAGGTGGTAGAGGGCATGGATATCT
CTACTCGCTCAAAGATCCTGGCTCTGCAGAGAGAACAGCCCAGAAAAGAAAGTTCCCCAGCCCTCCACA
TTCTTCCAATGGCCACTCGCCGAGGACACATCAACAAGCCCCATTAAGAAAAGAAAAGAAACCTGGCTTA
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AGGCCAAGTCCTTTGCTGTGAGCTCTGTCCCGGTTTATCACGCTAAGTGTCTGAGACTGACATCGGAA
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TCTTAACCTGGATCGAAGCAAAGCTGAGATGGATTTGAAGGAGCTGAGCGAGTCGGTCCAGCAACAGTCC  
 ACCCCTGTTCTCTCATCTCTCCCAAGCGCCAGATTTCGTAGCAGGTTCCAGCTGAATCTTGACAAGACCA  
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 AATAAATCCAGTTGGAGCAGCAGTATGAGAAGAGGGGATCGACACGTTCCGATCACAACACCAGTACCA  
 GCACGAAGAGCCTCCTCCGAAAGAGTCTCGGCTGGACACCTTCTGGGACTAG

**5' Read Nucleotide  
 Sequence:**

>OriGene 5' read for NM\_012408 unedited  
 TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCGCGCTCCCCATGAGCAC  
 AAACCTTCTGTGCACACGGGCTCCGACGTGGAGCAGGATGCTGAGAAGAAGGCCACGTC  
 GAGCCACTTCAGTGCGAGCGAGGAGTCCATGGACTTCTGGATAAGAGCACAGCTTACC  
 AGCCTCCACCAAGACGGGACAAGCAGGGAGTTTATCCGGCAGCCAAAGCCCTTCTCTCC  
 TCAACTGTCAGCTCCTATCACGACGAAAACGGACAAAACCTCCACCACGGCAGCATCCT  
 GAATCTTAACCTGGATCGAAGCAAAGCTGAGATGGATTTGAAGGAGCTGAGCGAGTCGGT  
 CCAGCAACAGTCCACCCCTGTTCTCTCATCTCTCCCAAGCGCCAGATTTCGTAGCAGGTT  
 CCAGCTGAATCTTGACAAGACCATAGAGAGTTGCAAAGCACAATTAGGCATAAATGAAAT  
 CTCGGAAGATGTCTATACGGCCGTAGAGCACAGCGATTTCGGAGGATTCTGAGAAGTCAGA  
 TAGTAGCGATAGTGAGTATATCAGTGATGATGAGCAGAAGTCTAAGAACGAGCCAGAAGA  
 CACAGAGGACAAAGAAGTTGTAGATGGACAAAGAGCCATCTGCTGTTAAAAAAGCCC  
 AACCTACAACCCAGTGGAGATAAAGAGGGAGCTGAAAGACGTCACCAGCCAGCGAGAGGC  
 CAGACCTGGAGCAGTCAAGGACCAGGCCAGCCCTGAGCCTGAGAAGGACTTTCCGAAAG  
 GCAAACCTCCACCTCACCCATAAGGGATAACTGAAGGGAAAGAGAGACGGATTCCACAG  
 TCATTTTGGCCTGGACTTTGATCAGAAGCGGACTTGGATAGATTAGGAAAAGACCTTCTGG  
 GCGGGAAGGTCGAAATAAGAGGACCCAAGAACATCTCAACG

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_012408 unedited TCCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAATCGTTTTCTTTTT CTTTTTTTTTTTTTAATAAGTTAAAGTTAATACAAATATAAAAAGGGGAAAGTCCTCTAG ATTCAATGACATCCACAAATTGTACATTATTTACACAAAAGCACAGGGCTCGTGTGGGT GAACAGTCTGCAGTCAAAGCCGATGCTGGGTGCCTGTAGTGTAGCAGCCCCCGCCGG GGGCTCAGGCTCAACTGAGGGTTTTGTCAATTTCAAGTCTGAAAGTGGCTGTTCTCCTGC CTTTGTTGTTTTCTTTTTCTGGCGTCTGGGTTTTCTCCCAATGGGGTGGGTGGTTTG TGTCCCGATTCACTGCTAGTCCCAAAAGGTGTCCAGCCGAGACTCTTTCGGGAGGAGGCT CTTCGTGCTGGTACTGGTGTGTGATCGGAACGTGTCGATCCCCTCTTCTCATCACTGCT GCTCCAAGTGGATTTATTACTCCGGAATGGTCAGAGCCTTGGTTGGAGCCTAAGAGAAT GGAGGAGGGCGTCTCTGGAGCCAGAAAGGTCAAGGGTCGAGCCACTCTCCTTGCTTTT CTCAGTACGCTCCTTCTCTTTGGAGGCGCTGGCCGTTTCTGAAGGTGCTGATTGTGT GCTCGAGGAGCTCCCCTGGGAGGACTTATTTAGTGTCTGTGTTACCTCAGCATCCGC TTCTGCTGANGAGCAGTANCTGACTGGGTGCANGACTTCATGTGCTCANGCCANNTGGC TTTGCTGGCAAGGGGTAGTCACAGTAACCTGTGTTCCAACAGCAGTAAAAGATGGCTCC TTCTTGAGTTGGCGCACACTGCTTCTTTTGGTTAATTCACCGNCTGCTTCTCCAC TTCAGTCTTCTCACCTTGGNAGAGAACCCGTCCTTGTTCAGGCTTGGCCGAN TNCGCCATGT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_012408
<b>Insert Size:</b>	2770 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_012408.1</a> , <a href="#">NP_036540.1</a>
<b>RefSeq Size:</b>	5249 bp
<b>RefSeq ORF:</b>	1845 bp
<b>Locus ID:</b>	23613
<b>UniProt ID:</b>	<a href="#">Q9ULU4</a>
<b>Cytogenetics:</b>	20q13.12
<b>Domains:</b>	PWWP, BROMO, zf-MYND

**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 (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (b) is shorter, compared to isoform a.