

## Product datasheet for SC315214

### PRKCBP1 (ZMYND8) (NM\_183048) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_183048) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZMYND8
Synonyms:	PRKCBP1; PRO2893; RACK7
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_183048, the custom clone sequence may differ by one or more nucleotides

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ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAAACAGAACAGGAGGTGGTAGAGGGC
ATGGATATCTCTACTCGCTCCAAAGATCCTGGCTCTGCAGAGAGAACAGCCAGAAAAGA
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TCCCCAAGATCCTGATGAGCAAGCCTGTGCTGAGTGGGGGCACAGGCCCGCGGATTTCC
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CACAGCGATTTCGGAGGATTCTGAGAAGTCAGATAGTAGCGATAGTGAGTATATCAGTGAT  
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 AGCAGCAGTGATGAGAAGAGGGGATCGACACGTTCCGATCACAACACCAGTACCAGCACG  
 AAGAGCTCCTCCGAAAGAGTCTCGGCTGGACACCTTCTGGGAC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_183048

**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).

**OTI Annotation:**

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_183048.1](#), [NP\\_898869.1](#)

RefSeq Size: 4493 bp

RefSeq ORF: 3408 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 (3) lacks an in-frame exon in the 3' coding region and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (c) is shorter, compared to isoform a.