

Product datasheet for **RC239998**

PRKCBP1 (ZMYND8) (NM_001281784) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_001281784) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZMYND8
Synonyms:	PRKCBP1; PRO2893; RACK7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC239998 representing NM_001281784 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAAACAGAACAGGAGGTGGTAGAGGGCATGGATATCT
CTACTCGCTCAAAGATCCTGGCTCTGCAGAGAGAACAGCCAGAAAAGAAAGTTCCCCAGCCCTCCACA
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CTGAACAGTAACAATAAGGAGCAGGATGGACGGAATGATTTCTACTGCTGGGTTTGTACCGGGAAGGCC
AAGTCCCTTGGCTGTGAGCTCTGTCCCGGGTTATCACGTAAGTGTCTGAGACTGACATCGGAACCAGA
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ATGACAAATGCTCACCATTGAACAGTTATCCTACCTGCTCAAGTTTGCCATTGAGAAAATGAAACAGCCAG
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GTTGCAAAGCACAAATTAGGCATAAATGAAATCTCGGAAGATGTCTATACGGCCGTAGAGCACAGCGATT
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Protein Sequence:

>RC239998 representing NM_001281784
 Red=Cloning site Green=Tags(s)

MHPQSLAEEEEIKTEQEVVEGMDISTRKDPGSAERTAQRKRFSPPHSSNGHSPQDTSTSPIKKKKPKGL
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 DAKWILHNCIIYNGGNHKLQIAKVVIKICEHEMNEIEVCECYLAACQKRDNWFCEPCSNPHPLVWAKL
 KGFPFWPAKALRDKDQVDARFFGQHDRAWVPIINCYLMSKEIPFSVKTKSIFNSAMQEMEYVENIRR
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 LSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSHFSASEESMDFLDKSTDRSKAEMDLKELSESVQQQSTP
 VPLISPKRQIRSRFQLNLDKTIESCQAQLGINEISEDVYTAVEHSDSESEKSDSSDSEYISDDEQSKN
 EPEDTEDKEGCQMDKEPSAVKKKPKPTNPVEIKEELKSTSPASEKADPGAVKDKASPEPEKDFSEKAKPS
 PHPIKDKLKGKDETDSPVHLGLDSDSESELVIDLGEDHSGREGRKNKKEPKPSPKQDVVGKTPPSTTV
 GSHSPPETPVLTRSSAQTSAAGATATTSTSTVTVTAPAPAAATGSPVKKQRPLLPKETAPAVQRVVWNS
 SKFQTSSQKWHMQMRQQQQQQQQQQSSQGTRYQTRQAVKAVQQKEITQSPSTITLVTSTQS
 SPLVTSQSMSTLYSSVNADLPIATASADVAADI AKYTSKMMDAIKGTMTEIYNDLSKNTTGSTIAEIRR
 LRIEIEKLQWLHQQELSEMKNHLELTMAEMRQSLERQERDLIAEVKKQLELEKQQAVDETKKQWCANCK
 KEAIFYCCWNTSYCDYPCQQAHWPEHMKSTQSATAPQQEADAENVNTETLNKSSQSSSSTQSAPSETAS
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 SLLPKESRLDTFWD

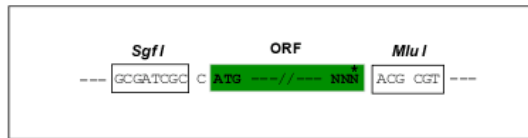
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

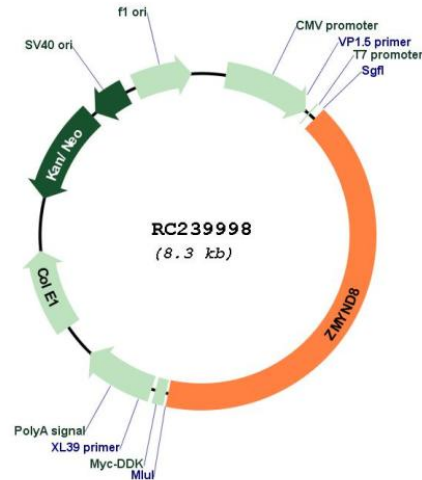
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001281784

ORF Size: 3402 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).

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_001281784.3](#)

RefSeq Size: 5171 bp

RefSeq ORF: 3405 bp

Locus ID: 23613

UniProt ID: [Q9ULU4](#)

Cytogenetics: 20q13.12

Protein Families: Druggable Genome, Transcription Factors

MW: 126.9 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]