

Product datasheet for **RG212828**

PRKCBP1 (ZMYND8) (NM_183047) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_183047) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZMYND8
Synonyms:	PRKCBP1; PRO2893; RACK7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212828 representing NM_183047 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAAACAGAACAGGAGGTGGTAGAGGGCATGGATATCT
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AAGAGCACAGCTTACCAGCCTCCACCAAGACGGGACAAGCAGGGAGTTTATCCGGCAGCCAAAGCCCT
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

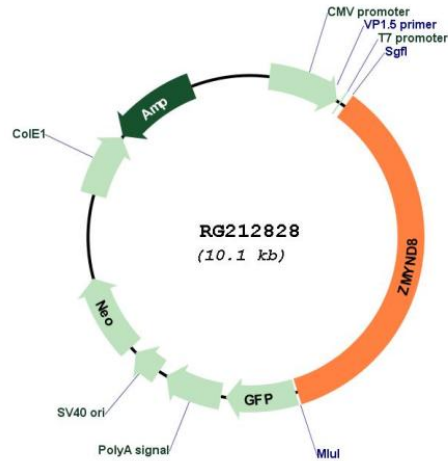
Protein Sequence: >RG212828 representing NM_183047
Red=Cloning site Green=Tags(s)

MHPQSLAEEEEIKTEQEVVEGMDISTRKDPGSAERTAQRKRFSPPHSSNGHSPQDTSTSPIKKKKKPGL
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 AACQKRDNWFCEPCSNPHPLVWAKLKGFPFPAKALRDKDQVDARF FGQHDRAWVPINNCYLMSKEIPF
 SVKKTKSIFNSAMQEMEYVENIRRFKGFVFNYSFRTPTYPNSQYQMLLDPTNPSAGTAKIDKQEKVKNL
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 KNEPEDTEDKEGCQMDKEPSAVKKPKPTNPVEIKEELKSTSPASEKADPGAVKDKASPEPEKDFSEKAK
 PSPHPKDKLKGKDETDSPVHLGLDSDSESELVIDLGEDHSGREGRNKKKEPKESPKQDVVGGKTPPST
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 IKGTMTEIYNDLSKNTTGSTIAEIRRLRIEIEKLQWLHQQL SEMKHNLLEL TMAEMRQSLEQERDLIAE
 VKKQLELEKQAVDETKKKQWCANCKKEAIFYCCWNTSYCDYPCQQAHWPEHMKCTQSATAPQQEADAE
 VNTETLNKSSQSSSTQSAPSETASASKEKETSAEKSKEGSLDLSGSRETPSSILLGNSQGSVKRC
 DKQPAYAPTTTDHQHPNYPAAQKYHSRNSKSSWSSSDEKRGSTRSDHNTSTSTKSLLPKESRLDTFWD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI
Cloning Scheme:



Plasmid Map:


ACCN: NM_183047

ORF Size: 3564 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_183047.2](#)

RefSeq Size: 4652 bp

RefSeq ORF: 3567 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]