

Product datasheet for **RG239976**

PRKCBP1 (ZMYND8) (NM_001281776) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRKCBP1 (ZMYND8) (NM_001281776) 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:	>RG239976 representing NM_001281776. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAAACAGAACAGGAGGTGGTAGAGGGCATGGATATC
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TTATCCGGCAGCCCAAAGCCCTTCTCTCCTCAACTGTCTAGCTCCTATCACGACGAAAACGGACAAAACC
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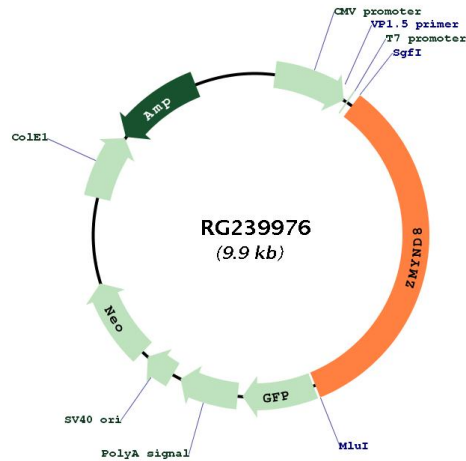
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239976
 Blue=ORF Red=Cloning site Green=Tag(s)

MHPQSLAEEEEIKTEQEVEGMDISTRKDPGSAERTAQRKRFSPPHSSNGHSPQDTSTSPIKPKKPKG
 LLNSNNKEQSELRHGPFYMKQPLTTDPVDVVPQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLT
 SEPEGDFWCPECEKITVAECIETQSKAMTLTIEQLSYLLKFAIQKMKQPGTDAFQKVPVLEQHPDYAE
 YIFHPMDLCTLEKNAKKKMYGCTEAFADAKWILHNCIIYNGGNHKLQIAKVVIKICEHEMNEIEVCP
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 ESMDFLDKSTASPASTKTGQAGSLSGSPKPFSPQLSAPITTKDKTSTTGSILNLDNRKAEMDLKEL
 SESVQQSTPVPPLISPKRQIRSRFQLNLDKTIESCKAQLGINEISEDVYTAVEHSDSESEKSDSSDSE
 YISDDEQKSKNEPEDTEDKEGCQMDKESAVKPKPTNPVEIKEELKSTSPASEKADPGAVKDKASPE
 PEKDFSEKAKPSPHPIKDKLKGKDETDSPVHLGLDSDSESELVIDLGEDHSGREGRKKNKEPKPSK
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 FWD

TRTRPLEMESDESGLPAMEIECRITGLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
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 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Plasmid Map:


ACCN: NM_001281776

ORF Size: 3321 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).

RefSeq: [NM_001281776.3](#)

RefSeq Size: 5090 bp

RefSeq ORF: 3324 bp

Locus ID: 23613

UniProt ID: [Q9ULU4](#)

Cytogenetics: 20q13.12

Protein Families: Druggable Genome, Transcription Factors

MW: 124 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]