

## Product datasheet for **RN207164**

### Prkcz (NM\_022507) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prkcz (NM_022507) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkcz
Synonyms:	14-3-3-zetaisoform; Pkcz; r14-3-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN207164 representing NM\_022507  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAGCAGGACCCACCCCAAGATGGACCGGAGCGGCCGGCGTCCGTCTGAAGGCGCACTACGGCG  
 GGGACATCCTGATTACCAGCGTGGACCCACGACAACCTTCCAGGACCTCTGTGAGGAAGTGCGAGACAT  
 GTGTGGCCTGCACCAGCAGCACCCACTCACCTCAAGTGGGTGGACAGTGAAGGTGACCCCTGTACTGTG  
 TCCTCACAGATGGAGCTGGAGGAGGCCCTCCGCCTGGCCTGTGAGGGCAGGGACGAAGTGTCTATCATCC  
 ACGTTTTCCCAAGCATCCAGAACAACCGGGCATGCCCTTGTCTGGAGAAGACAAGTCCATCTACCGCCG  
 TGGAGCCAGAAGATGGAGGAAGCTATACCGAGCCAACGGCCACCTTCCAAGCCAAGCGCTTAAACAGG  
 AGAGCGTACTGTGGCCAGTGCAGCGAAAGGATATGGGGCCTCGCAGGACAGGGGTACAGGTGCATCACT  
 GCAAGCTGCTTGTCCATAAACGCTGCCACGTCTCGTCCCCTGACCTGCAGGAGGCATATGGATTCTGT  
 CATGCCTTCCCAAGAGCCTCCAGTAGATGACAAGAACGATGGTGTAGACCTTCTTCAGAAGAACTGAT  
 GGAATTGCTTATATTTCTTCATCTCGGAAACATGACAATATCAAAGATGATTCTGAGGACCTTAAGCCTG  
 TCATCGATGGGGTGGATGGGATCAAATCTCTCAGGGGCTGGGGCTGCAAGACTTTGACCTCATCAGAGT  
 CATCGGGCGTGAAGCTATGCCAAGTCCCTCTGGTGGGTTGAAGAAAAACGACAGATTTACGCCATG  
 AAGGTGGTGAAGAAGGAGCTCGTCCACGACGATGAGGATATCGACTGGGTGCAGACAGAGAAGCAGCTGT  
 TCGAGCAGGCATCCAGCAACCCCTTCTGGTGGCTTACACTCTGTCCAGACAACGAGCCGGTTGTT  
 CCTGGTCATCGAGTATGTCAACGGGGGGACCTCATGTTCCACATGCAGAGGCAGAGGAAGCTTCCAGAG  
 GAACACGCCAGGTTCTATGCTGCTGAGATCTGTATCGTCTCACTTCTACATGAGAGAGGGATCATCT  
 ACCGGGACCTAAAACGGACAACGTCCTCCTCGATGCCGATGGACACATTAAGCTGACGGACTACGGCAT  
 GTGCAAGGAAGGCTAGGCCCGCGCACAAACAAGCACTTTTTGTGGAACCCGAACTATATCGCCCCC  
 GAAATCTGCGAGGAGAAGGTACGGGTTACGCGTGGACTGGTGGGCGCTGGGTGTCTTATGTTTGAGA  
 TGATGGCTGGGCGCTCCCCCTTTGACATCATCACAGACAACCCTGACATGAATACTGAAGACTACTTTT  
 CCAAGTTATCCTGGAAGCCAATTCGATTCCCCGTTTCTGTCTGTCAAGGCCACACGCTTTGAAA  
 GGATTTTTAAATAAGGATCCCAAGAGAGGCTTGGCTGCCGGCCGACACTGGGTTTTCCGACATCAAGT  
 CCCATGCCTTCTCCGAAGCATAGACTGGGACCTGCTTAAAAGAAGCAGACCCTGCCTCCCTTCCAGCC  
 CCAGATCACAGATGACTATGGCCTGGACAACCTTCGACACGAGTTCACCAGCGAGCCGTACAGCTGACC  
 CCAGATGATGAGGACGTATAAAGAGGATCGACCAGTCCGAGTTCGAAGGCTTCGAGTACATCAACCCGC  
 TTCTGCTGTCTGCTGAGGAGTCCGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_022507
- Insert Size:** 1779 bp
- 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).
- 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\\_022507.1](#), [NP\\_071952.1](#)

**RefSeq Size:** 2661 bp

**RefSeq ORF:** 1779 bp

**Locus ID:** 25522

**UniProt ID:** [P09217](#)

**Cytogenetics:** 5q36

**Gene Summary:** may play an important role in insulin resistance in skeletal muscle and adipose tissue; mediates matrix metalloproteinase-9 (MMP-9) expression in glioma cells, key process in tumor invasion, through NF-kappaB [RGD, Feb 2006]