

Product datasheet for RR210216

Cavin3 (NM_134449) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cavin3 (NM_134449) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cavin3
Synonyms:	DIG-2; Prkcdbp; Srbc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210216 representing NM_134449 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGAGAGCGCACTGGAGCCCGGGCTGTGCCGGGGCGCCGGTGGGGTCCGGTGCACGCCGTCA
CCGTGGTGACTTTGCTGGAGAAGCTGGCCACCATGCTAGAGGCGCTCGGGAGAGGCAGGGGGCCCTGGC
TGAGAGGCAGGGCGCCCTGGCGGGCTCGGTGCCCGCATCCAGAGTGGCCTGGGCGCGTGAAGTCGACGC
CACGACACCACCAACACACTGGCGCAGCTGTGGCCAAGGCGGAGCGCTGGGCTCCCACGCCGACG
CAGCCCAGGAGCGGGCAGTGCACCGCGCCGCTCAGGTGCAGCGACTGGAGCCAACCACGGTTGCTGGT
GGCGCGCGGGAAGCTGCACGTCCTGCTCTCAAGGAGGAGACTGAAATCCAGCCCGCGCCTCCAGAAA
GCACCAGAGCTCTTGGGCCCGGAGGACAGTTGGTGTAGGCCAGAGCAGCCAGAGGATGAAGTTGGAG
AGAGTTCTGATGAGGAACCCGTGGAGTCCCGGGCTCAGCGGCTGCGACGCACTGGCTTACAGAAGTTCA
AAGCCTGAAAAGGGCTTTTTCCAGTCGTAAGGCTCTGAAGCAGCACAGCCCACGCCAGTCAAGCCGCCA
CGCCTAGGTCTGTCCGGAACCTCGAAGGCCCGGAGGAGCCAGCCTGCAGCTCAGCCTGCAATGGAGC
CTGTGCTCCGCTGCGCTGGAGCCAGAACCTCCTCAGCCTACCAAGGAAGATCCTGAGAGACCTGTGCT
TCAAATAGAGAGCGCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210216 representing NM_134449
Red=Cloning site Green=Tags(s)

MGESALEPGVPVPGAPAGGPVHAVTVVTLLEKLATMLEALRERQGGLAERQGGLAGSVRRIQSGLGALSRS
 HDTTSNLAQLLAKAERVGSHADAAQERAVHRAAQVQRLEANHGLLVARGKLHVLLFKEETEIPARAFQK
 APELLGPEDQLVLGPEQPEDEVGESSDEEPVESRAQRLRRTGLQKVQSLKRAFSSRKGEAAQPTPVKPP
 RLG PVRNSEGPAEGQPAAPAMEPVLPSALEPEPPQPTKEDPERPVLQIESAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_134449

ORF Size: 789 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_134449.1](#), [NP_604444.1](#)

RefSeq Size: 1049 bp

RefSeq ORF: 792 bp

Locus ID: 85332

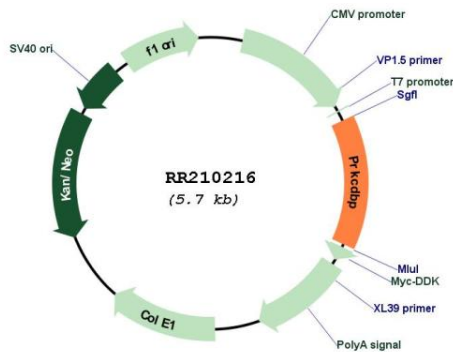
UniProt ID: [Q9Z1H9](#)

Cytogenetics: 1q32

MW: 27.9 kDa

Gene Summary: bound and phosphorylated by protein kinase C delta; may be involved in PKC mediated control of cell growth; contains a leucine zipper-like motif and two PEST sequences [RGD, Feb 2006]

Product images:



Circular map for RR210216