

Product datasheet for **RG204254**

CAVIN3 (NM_145040) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAVIN3 (NM_145040) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CAVIN3
Synonyms:	cavin-3; HSRBC; PRKCDBP; SRBC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204254 representing NM_145040 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGAGAGTGC GTTGGAGCCGGGCCCTGTGCCGAGGCGCCGGCGGGGGTCCCGTGCACGCCGTGA
CGGTGGTGACCCTGCTGGAGAAGCTGGCCTCCATGCTGGAGACTCTGCGGGAGCGGCAGGGAGGCCTGGC
TCGAAGGCAGGGAGGCCCTGGCAGGGTCCGTGCCCGCATCCAGAGCGGCCCTGGGCGCTCTGAGTCGCAGC
CACGACACCACCAGCAACACCTTGGCGCAGCTGTGGCCAAGGCGGAGCGCTGAGCTCGCACGCCAACG
CCGCCAAGAGCGCGCGTGCGCCGCGCAGCCAGGTGCAGCGGCTGGAGCCAACCACGGGCTGCTGGT
GGCGCGCGGGAAGCTCCACGTTCTGCTCTCAAGGAGGAGGGTGAAGTCCAGCCAGCGCTTCCAGAAG
GCACCAGAGCCCTTGGGCCCGGCGGACCAGTCCGAGCTGGGCCAGAGCAGCTGGAGGCCGAAGTTGGAG
AGAGCTCGGACGAGGAGCCGGTGGAGTCCAGGGCCAGCGGCTGCGGCGCACCGGATTGCAGAAGGTACA
GAGCCTCCGAAGGGCCCTTTCGGGCCGGAAGGCCCTGCAGCGCCACCGCCACCCCGGTCAAGCCGCT
CGCCTTGGGCTGGCCGGAGCGCTGAAGCCAGCCGGAAGCCAGCCTGCGCTGGAGCCCACGCTGGAGC
CAGAGCCTCCGCAGGACACCGAGGAAGATCCCGGAGACCTGGGGCTGCCGAAGAAGCTCTGCTCCAAT
GGAGAGTGTAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204254 representing NM_145040
 Red=Cloning site Green=Tags(s)

MRESALEPGVPVEAPAGGPVHAVTVVTLLEKLASMLETLRERQGGGLARRQGGLAGSVRRIQSGLGALSRS
 HDTTSNLAQLLAKAERVSSHANAQAQERAVRRAAQVQRLEANHGILLVARGKLHVLLFKEEGEVPASAFQK
 APEPLGPADQSELGPEQLEAEVGESSDEEPVESRAQRLRRTGLQKQVQSLRRALSGRKGPAAPPPTPVKPP
 RLGPGRSAAEQPEAQPALPTLEPEPPQDTEEDPGRPGAEEALLQMESVA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145040

ORF Size: 783 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_145040.1](#)

RefSeq Size: 1039 bp

RefSeq ORF: 786 bp

Locus ID: 112464

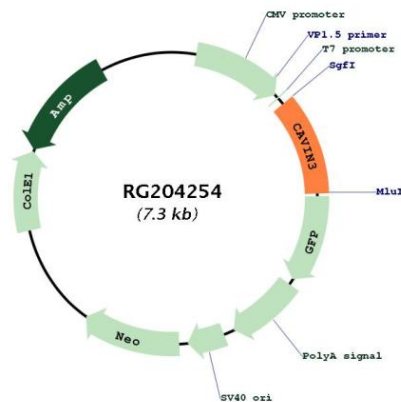
UniProt ID: [Q969G5](#)

Cytogenetics: 11p15.4

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene was identified as a binding protein of the protein kinase C, delta (PRKCD). The expression of this gene in cultured cell lines is strongly induced by serum starvation. The expression of this protein was found to be down-regulated in various cancer cell lines, suggesting the possible tumor suppressor function of this protein. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204254