

Product datasheet for SC117257

CAVIN2 (NM_004657) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAVIN2 (NM_004657) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAVIN2
Synonyms:	cavin-2; PS-p68; SDPR; SDR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117257 sequence for NM_004657 edited (data generated by NextGen Sequencing)

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ATGGGAGAGGACGCTGCACAGGCCGAAAAGTTCCAGCACCTGGGTCTGACATGCGGCAG
GAAAAGCCCTCGAGCCCCAGCCCGATGCCTTCTCCACACCAAGCCCCAGCCTGAACCTA
GGGAACACAGAGGAGGCCATCCGGGACAACACAGGTGAACGCAGTCACGGTGCTCACG
CTCCTGGACAAGCTGGTGAACATGCTAGACGCTGTGCAGGAGAACCAGCACAAGATGGAG
CAGCGACAGATCAGTTTGGAGGGCTCCGTGAAGGGCATCCAGAATGACCTACCAAGCTC
TCCAAGTACCAGGCTCCACCAGCAACCGGTGAGCAAGCTGCTGGAGAAGTCCCACAAG
GTCAGCGCCACACGCGCGCGTCAAAGAGCGCATGGATAGGCAGTGCCGACAGGTGAAG
CGGCTGGAGAACAACCACGCCAGCTCCTCCGACGCAACCATTTCAAAGTGTCTCATTTT
CAGGAGGAAAATGAGATCCCTGCCAGCGTGTGTTGTGAAACAGCCGTTTCCGGCGCCGTG
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TCCAGGGGGAGTAACTCGGGGATGGACAGCAACATCGACTTGACTATTGTGGAAGATGAA
GAGGAGGAGTCAGTGGCCCTGGAACAGGCACAGAAGGTACGCTATGAGGGTAGCTACGCG
CTAACATCCGAGGAGGCGGAGCGCTCCGATGGGGACCCGTCAGCCCGCGTGTCCAG
GTGCACCAGACCTCCTGA

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Clone variation with respect to NM_004657.5
534 t>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004657 unedited
 GCGTCGNAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTTGTTGC
 CTGTCTGAACCTCTGCCAGTCTCTGGGAGACTGGTGCCCTGAGCTCCAACCCAGCGGGCCTC
 ATCCTACACCCTCACCACCGCAACTTCTCACCCGAGCAAGAAGCAGCTCCCAGAGAGAAA
 GAACGTTCCCACCTGCCTAGCCATGGGAGAGGACGCTGCACAGGCCGAAAAGTTCAGCA
 CCCTGGGTCTGACATGCGGCAGGAAAAGCCCTCGAGCCCCAGCCCGATGCCTTCTCCAC
 ACCAAGCCCCAGCCTGAACCTAGGGAACACAGAGGAGGCCATCCGGGACAACCTCACAGGT
 GAACGCAGTCACGGTGCTCAGCTCCTGGACAAGCTGGTGAACATGCTAGACGCTGTGCA
 GGAGAACCAGCACAAGATGGAGCAGCGACAGATCAGTTTGGAGGGCTCCGTGAAGGGCAT
 CCAGAATGACCTACCAAGCTCTCCAAGTACCAGGCTCCACCAGCAACACGGTGAGCAA
 GCTGCTGGAGAAGTCCCGCAAGGTGAGCGCCACACGCGCGCGGTCAAAGAGCGCATGGA
 TAGGCAGTGCGCACAGGTGAAGCGGCTGGAGAACAACCACGCCAGCTCCTCCGACGCAA
 CCATTTCAAAGTGCTCATCTTCCAGGAGAAAATGAGATCCCTGCCAGCGTNGTTGTGAA
 ACAGCCCGTTTCCGGCGCGTGAAGGNNANGGAGAGCTNCNGATGAAACAAATCCCTG
 GAGAAACCCTGCACACGTGGACCCTCTCAATGATGATTTGCCACGATGAGGAGCCCT
 GGAGACAGTGCCGAGGAAAGGTGNAGAAGTAGGCAGAGAAATAAAAAGATCAGCTGAGA
 AGTGGATAGCTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004657 unedited
 CGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCATGCTTTTTATTTTTCGG
 TTTATTTAATCTTCTTTAACACAGCCATTGTTGGTTCAACAATCCAATATTTGAGGTTAC
 ATTATTGCAAAAATAAGGACATAGCTGAATAGGTTATGCCATCAATATGTTTGTTAATCC
 TATCCCTTTTATTAAGACAAAGCACAGTTTGTTAATATTGTCTTGATTAACCTATTT
 GTAAGGTTACTTATAGTGGTTCATACTAAAGGCAGGGGATTTGCTTCTGGGCCAATTGT
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 GTAAATAAAATATAATCTGGAATGAAATCCCATTATGTACAAAAAAGAAAAATAGAA
 TCTTTCACTTCCAAAACCTATAGATTTTAGCATCTTATAAGCCTACATCACATCATG
 AATGTAAGGGTTAGTTTAAATTTGAAGAGCATTAAAGAATAGTATGAGGCTAANGTTCCA
 CAAAACAGTATATTAATTGTATTTTGAAGATTATATTCGTTTCAATGTTAACANGAC
 AACATCCTTTTGAACCTTCTTAAAGAAATATTNNGAATGCCCTTTTATTATAAGAAA
 AATACAGCTTTAACACTTATAATGTTTATTTATAAAAAATTANAAATTA AAAATATTTTG
 AAGAGACATGGTATTCAGGATTTACGAACCTTCTTAGAATTTTATTTAAGAGTGAATAG
 TAAGCTACTATGGGAAGATTTTACCTTCAGCCATACATTTTCTCTGGTTCATCCTTTC
 GGCAATC

Restriction Sites:

NotI-NotI

ACCN:

NM_004657

Insert Size:

3000 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_004657.4](#), [NP_004648.1](#)

RefSeq Size: 3234 bp

RefSeq ORF: 1278 bp

Locus ID: 8436

UniProt ID: [O95810](#)

Cytogenetics: 2q32.3

Gene Summary: This gene encodes a calcium-independent phospholipid-binding protein whose expression increases in serum-starved cells. This protein is a substrate for protein kinase C (PKC) phosphorylation and recruits polymerase I and transcript release factor (PTRF) to caveolae. Removal of this protein causes caveolae loss and its over-expression results in caveolae deformation and membrane tubulation.[provided by RefSeq, Sep 2009]