

Product datasheet for **SC322411**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322411
 GTCTGAACCTCTGCCAGTCTGGAGACTGGTGCCCTGAGCTCCAACCAGCGGGCCTCATC
 CTACACCCCTACCACCGCAACTTCTCACCCGAGCAAGAAGCAGCTCCCAGAGAGAAAAGAA
 CGTTCCCACCTGCCTAGCCATGGGAGAGGACGCTGCACAGGCCGAAAAGTTCCAGCACCC
 TGGGTCTGACATGCGGCAGGAAAAGCCCTCGAGCCCCAGCCCGATGCCTTCTCCACACC
 AAGCCCCAGCCTGAACCTAGGGAACACAGAGGAGGCCATCCGGGACAACCTACAGGTGAA
 CGCAGTCACGGTGCTCACGCTCCTGGACAAGCTGGTGAACATGCTAGACGCTGTGCAGGA
 GAACCAGCACAAGATGGAGCAGCGACAGATCAGTTTGGAGGGCTCCGTGAAGGGCATCCA
 GAATGACCTCACCAAGCTCTCCAAGTACCAGGCCTCCACCAGCAACACGGTGAGCAAGCT
 GCTGGAGAAGTCCCGCAAGGTACAGCGCCACACGCGCGGGTCAAAGAGCGCATGGATAG
 GCAGTGCACAGGTGAAGCGGCTGGAGAACAACCACGCCAGCTCCTCCGACGCAACCA
 TTTCAAAGTGCTCATCTTCCAGGAGAAAATGAGATCCCTGCCAGCGTGTGTGAAACA
 GCCCGTTTCCGGTGCCGTGGAAGGGAAGGAGGAGCTTCCGGATGAAAACAAATCCCTGGA
 GAAAACCTGCACACCGTGGACCTCTCCTCAGATGATGATTTGCCCCACGATGAGGAGGC
 CCTGGAAGACAGTGCCGAGGAAAAGGTGGAAGAAAAGTAGGGCAGAGAAAAATAAAAGATC
 CAGCCTGAAGAAAAGTGGATAGCCTCAAGAAAGCATTTTCTCGCCAGAACATCGAGAAAAA
 GATGAACAAGCTGGGGACAAAGATCGTATCTGTAGAGAGGAGAGAGAAGATTAAGAAATC
 TCTCACGTCAAATCACCAGAAAATATCCTCAGGAAAAAGCTCCCCCTTCAAGTTTCTCC
 CCTCACTTTCGGGCGGAAGAAAGTCCGAGAGGGGAGAAAGCCATGCAGAAAATGAGACAA
 GTCAGAAGACCTGCCTAGCAGTGAGCAGATGCCAAATGACCAGGAAGAGGAGTCCTTTGC
 AGAGGGTCATTCGAAGCGTCCCTCGCCAGCGCTCTGGTGAAGGGGAAATTGCAGAGGA
 GGCTGCTGAGAAGCGACCTCCAGGGGGAGTAACTCGGGGATGGACAGCAACATCGACTT
 GACTATTGTGGAAGATGAAGAGGAGAGTCAAGTGGCCCTGGAACAGGCACAGAAGGTACG
 CTATGAGGGTAGCTACGCGCTAACATCCGAGGAGGCGGAGCGCTCCGATGGGGACCCCGT
 GCAGCCCCTGCTCCAGGTGCACCAGACCTCCTGAGCTTAGAGCCACCGTGCCATCCT
 GTGCTGTGCTCAAGCGGGCAGCCAGGGCTGAAGAACAACTCTTGACATCTCCAGCAGC
 ACTCACCCACTCCTGCGTTCCTGTCCAGGCAGTAATCATTGACCATATAGTCATAGTAAG
 ACACACGAGACCAGGCTTTACCATGAAAGCGACCTGTCACGGACTCCACTTTTAAATTTGC
 TCTTAGGTTCTATCTCTGTAGAATGTCTCCAAGATTGAAGAAGAACTGAGCAGTTGAAA
 AATGCTAATCTCTTTGACTTAGTCAGAAAAAACAGAGGATAATTAAGATACTAGTCATG
 AAAAGTGATTCATTCTTTTTTGTCAATCCATAAGCTTGTGAATAGTGTACCGGTAATAT
 ATTGTATTTCCACCGTACTCTGTGAATCTAATTATTATTTTAAAGTGTTGATATAAAT
 ATACATAAATATGTAAGCTAAACATATAACTATATGTTTTAAGAAGAAAACATCTACGAA
 AGGTA AAAAGAGATGATCAGTTGGTTGTTACTTGCTAGAAAACATTGTTTTATTGCAA
 CGAAGGAAAAATGAAGAGATTATAAAAGTCAGCTAATGAAGTAAGATACGTAGTAAAGTC
 AGGACTATTCAAAAAGTAAGAAAGAAAATTTGGAAAATGAGAGAAAACAGGAAAACAAAGAA
 TGCCGAAAAGAATGAAAACAGAGAAAAATGTATGTGCTTGAAGTAAAAACTTACAAT
 AGTAGCTTAACTATTTCACTCTTTAAATAAAAAACTAAAGAAGTTCGTATATCCTGGAA
 TAACATGTCATCTTCAAAATATTTTTATTTTCTAATATTTTAAATAAATAACATTTTATA
 GTGTTAAAGCTGTATTTTTCTTAATAAAATAAAGGACATTACAAATAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004657

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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]