

Product datasheet for **SC216973**

Caveolin 1 (CAV1) (NM_001753) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Caveolin 1 (CAV1) (NM_001753) Human 3' UTR Clone
Symbol:	Caveolin 1
Synonyms:	BSCL3; CGL3; LCCNS; MSTP085; PPH3; VIP21
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001753
Insert Size:	1910 bp



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Insert Sequence: >SC216973 3' UTR clone of NM_001753
 The sequence shown below is from the reference sequence of NM_001753. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

CAGCAATGTCCGCATCAACTTGCAGAAAGAAAT**TA**AATGACATTTCAAGGATAGAAGTATACCTGATTT
 TTTTTCCTTTAATTTTCCTGGTGCCAATTTCAAGTTCCAAGTTGCTAATACAGCAACAATTTATGAATT
 GAATTATCTTGGTTGAAAATAAAAAGATCACTTCTCAGTTTTCATAAGTATTATGTCTCTTCTGAGCTA
 TTTTCATCTATTTTGGCAGTCTGAATTTTTAAACCCATTTAAATTTTTTTCCTTACCTTTTTATTTGCA
 TGTGGATCAACCATCGCTTTATTGGCTGAGATATGAACATATTGTTGAAAGGTAATTTGAGAGAAATATG
 AAGAACTGAGGAGGAAAAAAAAAAAAAAAAAGAAACCAACAACCTCACTGCCTACTCCAAAATGTTGG
 TCATTTTATGTTAAGGGAAGAATCCAGGGTATGGCCATGGAGGTACAAGTATGTGGGCAGATTTTCAG
 CAAACTCTTTCCCACTGTTTAAGGAGTTAGTGGATTACTGCCATTCACTTCATAATCCAGTAGGATCCA
 GTGATCCTTACAAGTTAGAAAACATAATCTTCTGCCTTCTCATGATCCAATAATGCCTTACTCTTCTTG
 AAATTTTAACTATGATATTTTCTGTGCCTGAATTTGTTATGTAGATAACAAGACCTCAGTGCCTTCC
 TGTTTTTACATTTTCTTTTCAAATAGGGTCTAACTCAGCAACTCGCTTTAGGTCAGCAGCCTCCCTGA
 AGACAAAATTAGAATATCCATGACCTAGTTTTCCATGCGTGTCTGACTCTGAGCTACAGAGTCTGGT
 GAAGCTCACTTCTGGGCTTCACTGGCAACATCTTTATCCGTAGTGGGTATGGTTGACACTAGCCCAATG
 AAATGAATTAAGTGGACCAATAGGGCTGAGCTCTCTGTGGGCTGGCAGTCCTGGAAGCCAGCTTTCCCT
 GCCTCTCATCAACTGAATGAGGTCAGCATGTCTATTACAGCTTCGTTTTATTTTCAAGAATAATCACGCTTT
 CCTGAATCCAAAATAATCCATCACCGGGGTGGTTTAGTGGCTCAACATTGTGTTCCCATTTTCAGCTGATC
 AGTGGGCTCCAAAGGAGGGCTGTAATAAGGAGCCATTGTGTGAGCCTATCAGAGTTGCTGCAAACCTG
 ACCCCTGCTCAGTAAAGCACTTGCAACCGTCTGTTATGCTGTGACACATGGCCCTCCCTGCCAGGAG
 CTTTGGACCTAATCCAAGCATCCCTTTGCCAGAAAGAAGATGGGGGAGGAGGCAGTAATAAAAAGATTG
 AAGTATTTGCTGGAATAAGTTCAAATCTTCTGAACTCAAAGTGGGAATTTCACTGTAAACCTGAGT
 CGTACAGAAAGCTGCCTGGTATATCCAAAAGCTTTTTATTCTCTGCTCATATTGTGATTCTGCCTTTG
 GGGACTTTTCTAAACCTTCAGTTATGATTTTTTTTTCATACACTTATTGGAACCTGCTGATTTTTTGC
 CTCTTCCAGTCTTCTGACACTTAAATACCAACCTGTTACCTACTTTGACTTTTTGCATTTAAACAGA
 CACTGGCATGGATATAGTTTTACTTTTAACTGTGTACATAACTGAAAATGTGCTATACTGCATACTTTT
 TAAATGTAAGATATTTTATCTTTATATGAAGAAAATCACTTAGGAAATGGCTTTGTGATTCAATCTGT
 AAAGTGTATTCCAAGACATGTCTGTTCTACATAGATGCTTAGTCCCTCATGCAAAATCAATTAAGTGC
 CAAAAGATTGCTGAAATTTTATGCTTACTGATATATTTTACAATTTTTTATCATGCATGCTCCTGTAA
 GGTTACAAGCCTGCACAATA

ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCG

Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001753.4](#)

Summary:

The scaffolding protein encoded by this gene is the main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1.[provided by RefSeq, Mar 2010]

Locus ID:

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