

## Product datasheet for RC217510

### SVH (ARMC10) (NM\_031905) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SVH (ARMC10) (NM_031905) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SVH
Synonyms:	PNAS-112; PNAS112; PSEC0198; SVH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217510 representing NM_031905 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTGGCCCCGGGGCGGGCTGGGTGGCGGGCCTGCTGCTCGGCGGGCGCCTGCTACTGCA  
TTTACAGGCTGACCCGGGTGCGCGGGGGCGACCGCGAGCTCGGGATACGCTCTTGAAGTCCGCAGG  
TGCCCTGGAAGAAGGGACGTCAGAGGGTCAGTTGTGGGGCGCTCGGCCGGCCTCAGACGGGAGGTACC  
TGGGAGTCACAGTGGTCCAAGACCTCGCAGCCTGAAGACTTAAGTATGATGATGTTCTAA  
ATGCTGAACAACCTCAGAACTCCTTACCTGCTGGAGTCAACGGAGGATCCTGTAATTATGAAAGAGC  
TTTGATTACTTTGGGTAACAATGCAGCCTTTTCAGTTAACCAAGCTATTATTCGTGAATTGGGTGATT  
CCAATTGTTGCAAAATAAATCAACCATTCCAACAGAGTATTAAGAGAAAGCTTTAAATGCACTAAATA  
ACCTGAGTGTGAATGTTGAAAATCAAAATCAAGATAAAGATATACATCAGTCAAGTATGTGAGGATGTCTT  
CTCTGGTCTCTGAACCTGCTGTGCAGCTGGCTGGACTGACATTGTTGACAAACATGACTGTTACCAAT  
GACCACCAGCACATGCTTACAGTTACATTACAGACCTGTTCCAGGTGTTACTTACTGAAAATGAAAACA  
CGAAGGTGCAAGTTTTGAACTGCTTTTGAATTTGCTGAAAATCCAGCCATGACAGAAGGACTTCTCCG  
TGCCCAAGTGGATTATCATTCTTTCCCTTTATGACAGCCACGTAGCAAAGGAGATTCTTCTCGAGTA  
CTTACGCTATTTTCAGAAATAAAGAAGTGCCTCAAAATAGAAGGCCATTTAGCTGTGCAGCCTACTTTCA  
CTGAAGGTTTCATTGTTTTCTGTTTACATGGAGAAGAATGTGCCAGAAAATAAGAGCTTTAGTTGATCA  
CCATGATGCAGAGGTGAAGGAAAAGTTGTAACAATAATACCCAAAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC217510 representing NM\_031905  
Red=Cloning site Green=Tags(s)

MGGPRGAGWVAAGLLLGAGACYCIYRLTRGRRRGDRELGIRSSKSAGALEEGTSEGQLCGRSARPQTGGT  
 WESQWSKTSQPEDLTDGSYDDVLNAEQLQKLLYLLESTEDPVIIERALITLGNNAAFSVNQAIIRELGGI  
 PIVANKINHSNQSIKEKALNALNLSVNVENQIKIKIYISQVCEVDFSGPLNSAVQLAGLTLTNMTVTN  
 DHQHMLHSYITDLFQVLLTGNGNTKVQVLKLLNLSNPAMTEGLLRAQVDSSFLSLYDSHVAKEILLRV  
 LTLFQNIKNCLKIEGHLAVQPTFTEGSLFLLHGEECAQKIRALVDHDAEVKEKVVTIIPKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_031905

**ORF Size:** 1029 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\\_031905.5](#)

**RefSeq Size:** 2629 bp

**RefSeq ORF:** 1032 bp

**Locus ID:** 83787

**UniProt ID:** [Q8N2F6](#)

**Cytogenetics:** 7q22.1

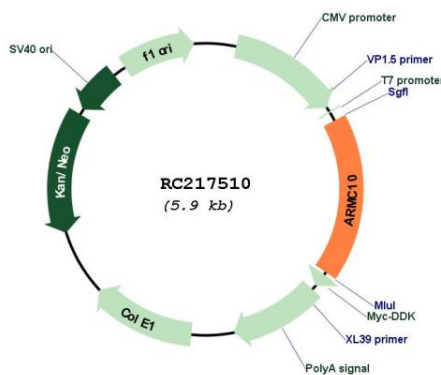
**Domains:** DUF634

**Protein Families:** Transmembrane

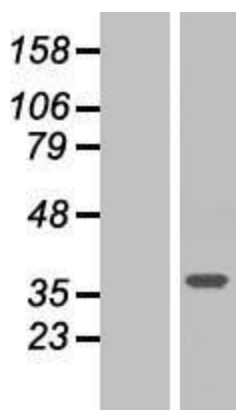
**MW:** 37.4 kDa

**Gene Summary:** This gene encodes a protein that contains an armadillo repeat and transmembrane domain. The encoded protein decreases the transcriptional activity of the tumor suppressor protein p53 through direct interaction with the DNA-binding domain of p53, and may play a role in cell growth and survival. Upregulation of this gene may play a role in hepatocellular carcinoma. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 3. [provided by RefSeq, Sep 2011]

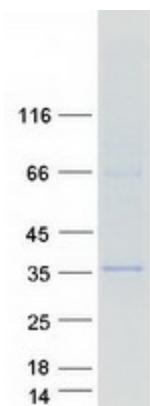
### Product images:



Circular map for RC217510



Western blot validation of overexpression lysate (Cat# [LY410452]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217510 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ARMC10 protein (Cat# [TP317510]). The protein was produced from HEK293T cells transfected with ARMC10 cDNA clone (Cat# RC217510) using MegaTran 2.0 (Cat# [TT210002]).