

Product datasheet for RC228217

SVH (ARMC10) (NM_001161011) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SVH
Synonyms:	PNAS-112; PNAS112; PSEC0198; SVH
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228217 representing NM_001161011
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTGGCCCCCGGGCGCGGGCTGGGTGGCGCGGGCCTGCTGCTCGGCGCGGGCGCCTGCTACTGCA
TTTACAGGCTGACCCGGGGTCGGCGCGGGGCGACCGCGAGCTCGGGATACGCTCTTCGAAGTCCGCGAGA
AGACTTAACTGATGGTTCATATGATGATGTTCTAAATGCTGAACAACCTCAGAACTCCTTTACCTGCTG
GAGTCAACGGAGGATCCTGTAATTATTGAAAGAGCTTTGATTACTTTGGTAACAATGCAGCCTTTTCAG
TTAACCAAGCTATTATTCTGTAATTGGGTGGTATTCCAATTGTTGCAAAACAAATCAACCATTCCAACCA
GAGTATTAAGAGAAAGCTTTAAATGCACTAAATAACCTGAGTGTGAATGTTGAAATCAAATCAAGATA
AAGATATACATCAGTCAAGTATGTGAGGATGTCTTCTCTGGTCTCTGAACTCTGCTGTGCAGCTGGCTG
GACTGACATTGTTGACAAACATGACTGTTACCAATGACCACCAGCACATGCTTCACAGTTACATTACAGA
CCTGTTCCAGGTGTTACTTACTGGAATGGAAACACGAAGGTGGATTTCATTCCTTTCCCTTTATGAC
AGCCACGTAGCAAAGGAGATTCTTCTCGAGTACTTACGCTATTTTCAAGATATAAAGAACTGCCTCAAAA
TAGAAGGCCATTTAGCTGTGCAGCCTACTTTCACTGAAGGTTCAATGTTTTCTGTTACATGGAGAAGA
ATGTGCCAGAAAATAAGAGCTTTAGTTGATCACCATGATGCAGAGGTGAAGGAAAAGGTTGTAACAATA
ATACCCAAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

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>RC228217 representing NM_001161011
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Red=Cloning site Green=Tags(s)

MGGPRGAGWVAAGLLLGAGACYCIYRLTRGRRRGDRELGRSSKSAEDLTDGSYDDVLNAEQQLKLLYLL
ESTEDPVIIERALITLGNNAAFSVNQAIIRELGPIIVANKINHSNQSIKEKALNALNNLSVNVENQIKI
KIYISQVCEDVFSGLNSAVQLAGLTLLTMTVTNDHQHMLHSYITDLFQVLLTGNGNTKVDSFSLYD
SHVAKEILLRVLTLFQNIKNCLKIEGLHAVQPTFTEGSLFLLHGEECAQKIRALVDHHDAAEVKEKVVTI
IPKI

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms:

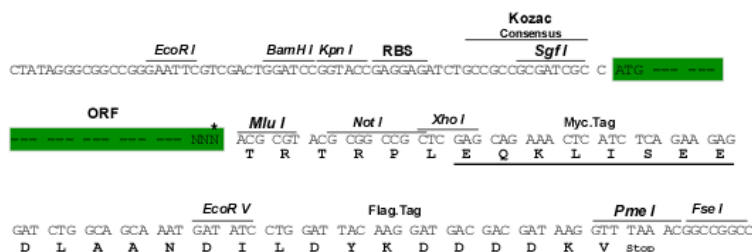
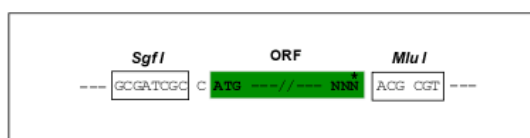
https://cdn.origene.com/chromatograms/mk8007_a01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

NM_001161011

ORF Size:

852 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:

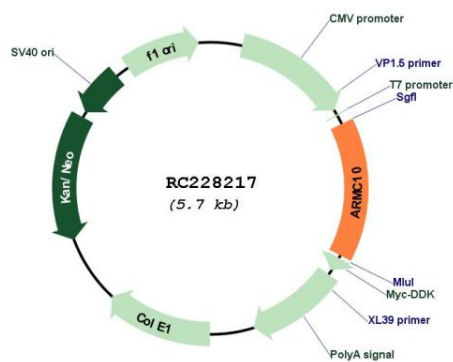
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001161011.2, NP_001154483.1</u>
RefSeq ORF:	855 bp
Locus ID:	83787
UniProt ID:	<u>Q8N2F6</u>
Cytogenetics:	7q22.1
Protein Families:	Transmembrane
MW:	31 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 RC228217