

## Product datasheet for **SC326852**

### SVH (ARMC10) (NM\_001161011) Human Untagged Clone

#### Product data:

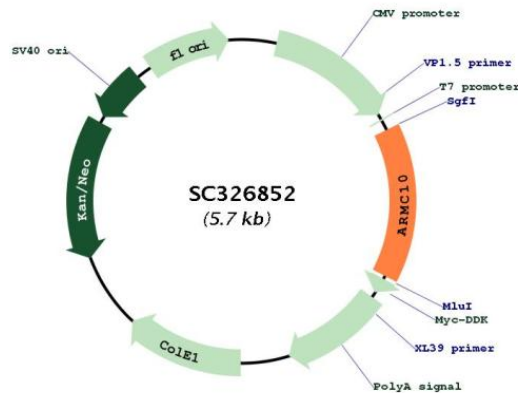
Product Type:	Expression Plasmids
Product Name:	SVH (ARMC10) (NM_001161011) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARMC10
Synonyms:	PNAS-112; PNAS112; PSEC0198; SVH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326852 representing NM_001161011. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTGGCCCCGGGGCGGGGCTGGGTGGCGGGGCTGCTGCTCGGCGGGGCGCCTGCTACTGC
ATTTACAGGCTGACCCGGGTGCGCGGGGGCGACCGCGAGCTCGGGATACGCTCTTGAAGTCCGCA
GAAGACTTAACTGATGGTTCATATGATGATGTTCTAAATGCTGAACAACCTCAGAACTCCTTTACCTG
CTGGAGTCAACGGAGGATCCTGTAATTATTGAAAGAGCTTTGATTACTTTGGGTAACAATGCAGCCTTT
TCAGTTAACCAAGCTATTATTCGTGAATTGGGTGGTATTCCAATTGTTGCAAACAAAATCAACCATTCC
AACCGAGTATTAAGAGAAAGCTTTAAATGCACTAAATAACCTGAGTGTGAATGTTGAAAATCAAATC
AAGATAAAGATATACATCAGTCAAGTATGTGAGGATGTCTTCTGGTCTCTGAACTCTGCTGTGCAG
CTGGCTGGACTGACATTGTTGACAAACATGACTGTTACCAATGACCACCAGCACATGCTTACAGTTAC
ATTACAGACCTGTTCCAGGTGTTACTTACTGAAATGAAACACGAAGGTGGATTTCATTCCTTTCC
CTTTATGACAGCCACGTAGCAAAGGAGATCTTCTTCGAGTACTTACGCTATTTTCAGAAATATAAAGAAC
TGCCTCAAATAGAAGGCCATTTAGCTGTGCAGCCTACTTTCCTGAAAGTTCATTGTTTTCTGTTA
CATGGAGAAGAAATGTGCCAGAAAATAAGAGCTTTAGTTGATCACCATGATGCAGAGGTGAAGGAAAA
GTTGTAACAATAATACCCAAAATCTGA
ACGCGTACGCGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001161011

**Insert Size:** 855 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).

**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:**

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\_001161011.2

**RefSeq Size:** 2474 bp

**RefSeq ORF:** 855 bp

Locus ID: 83787

UniProt ID: [Q8N2F6](#)

Cytogenetics: 7q22.1

Protein Families: Transmembrane

MW: 31.2 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]  
Transcript Variant: This variant (E) lacks two in-frame exons in the coding region compared to variant A. This results in a shorter protein (isoform e) compared to isoform a.