

Product datasheet for **RC221934**

SVIP (NM_148893) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SVIP (NM_148893) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SVIP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC221934 representing NM_148893
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTGTGTTTTCTTGTCCCGGGAGTCCGCGCCTCCACGCCGGACCTGGAAGAGAAAAGAGCAA
AGCTTGCAGAGGCTGCAGAGAGAAGACAAAAGAGGCTGCATCTCGGGGAATTTAGATGTTCAATCTGT
GCAAGAAAAGAGAAAAGAAAAGAAAAATAGAAAAACAATTGCTACATCCGGGCCCCACCAGAAGGT
GGACTTAGGTGGACAGTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221934 representing NM_148893
Red=Cloning site Green=Tags(s)

MGLCFPCPGESAPPTPDLEEKRAKLAEAERRQKEAASRGILDVQSVQEKRKKKEKIEKQIATSGPPPEG
GLRWTVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8039_e03.zip

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


ACCN: NM_148893

ORF Size: 231 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_148893.3](#)

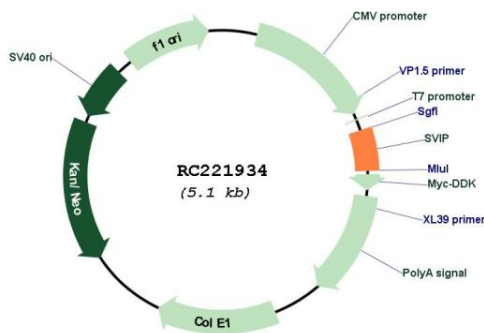
RefSeq Size: 1405 bp

RefSeq ORF: 234 bp

Locus ID: 258010
UniProt ID: [Q8NHG7](#)
Cytogenetics: 11p14.3
MW: 8.3 kDa

Gene Summary: Endoplasmic reticulum-associated degradation (ERAD) is the pathway by which misfolded proteins in the endoplasmic reticulum are targeted to the proteasome for degradation. Multiple specialized proteins interact with one another during ERAD to complete this process. The protein encoded by this gene is an inhibitor of ERAD, functioning to disrupt the interaction of these protein components. This downregulation of ERAD may be needed to protect the cell from overactive protein degradation. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RC221934