

Product datasheet for **SC307488**

SELV (SELENOV) (NM_182704) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SELV (SELENOV) (NM_182704) Human Untagged Clone
Symbol:	SELV
Synonyms:	SELV
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_182704 edited

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ATGAATAACCGAGCGCGACCCAGCCCCCTCCTCGGCGCGGACTTCAACCTCAGTCCGG
GCTTCTACCCCGACCCGACCCGACTCCACTCCGACCCCGACTCCGGTCCGGACTCGG
ACCCCATCCGACCCCTGACTCCAGTCTGACTCCGTCTCCAGCCGGGACTTCCCTCTG
GTCCTGACTCCTGCTCCAGCCCAGATTCCCACTCTGGTCCCCACTCCCGTCTGGCCCG
ATCCCCCGTCTGGTTCGCTCTGCTCCGGCCTGGATCCCTACTCCGGTGCCGACTCCC
GTTCCCGTCCGGAACCAACTCCGGTCCCGACTCCGGCTCGGACCCCTGACTCCTCCAGTC
CGGGTCCCAGCCCCAGCCCCAGCCAGCTCCTGGCAGGGATTCCGGCCGCGCTCCCCGTC
TTGGACTCCTACCTGGCCCCGGCCCTACCTTTGGATCCGCCCCGGAACCTGCTCCGGAG
CTGCCTTTGTTGCCCAGGAGGACCCCTGAGCCGCGCCGAGCCTGAAGCTCATCCCGTCG
GTCTCCAGCGAGGCCGGGCCCGCCCCGGGGCCCCCTTCCACGCGCACCCCGCTGGCCGCG
AACTCACCCGGGCCACCCTGGACTTCACCTTCAGGGCAGACCCGTCGGCCATCGGGCTG
GCGGATCCCCCATTTCCAGTCTGTCCCTCGCCCATCCTGGGGACCATCCCGTCGGCC
ATCTCCTTACAGAATTGTACGGAACCTTCCCCTCCTCCAGCGAGAACTCGCGCTGGAC
AAGAGGGTCTGATTCGAGTGACCTACTGTGGCCTCTGAAGCTATAGCCTTCGGTACATT
CTACTGAAAAAGAGCCTGGAGCAGCAATTTCCGAATCACCTACTCTTTGAGGAGGACAGA
GCTGCCAGGCTACAGGGGAGTTTGAGGTGTTTGTGAACGGGAGACTGGTCCATTCCAAG
AAGAGGGGTGATGGCTTTGTGAACGAGTCCAGGCTGCAGAAAATTGTGAGCGTTATCGAT
GAGGAAATCAAGAAAAGGTAG
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_182704 unedited
 GACGTTTGTATACGACTCCTATAGGGCGGCCGGAATTCATGAATAACCAGGCGCGGACC
 CCAGCCCCCTCCTCGGCGCGGACTTCAACCTCAGTCCGGGCTTCTACCCGACCCGGACA
 CCGACTCCACTCCGACCCCGACTCCGGTCCGACTCGGACCCCATCCGGACCTGACT
 CCAGTCTGACTCCGTCTCCAGCCGGGACTTCCCTCTGGTCTGACTCCTGCTCCAGCC
 CAGATTCCTACTCTGGTCCCCACTCCCGCTCTGGCCCGGATCCCCGCTCTGGTCCGCT
 CCTGCTCCGGCTGGATCCCTACTCCGGTGCCGACTCCCGTTCCTGTCGGAACCAACT
 CCGGTCCCGACTCCGGCTCGGACCTGACTCCTCCAGTCCGGGTCCAGCCCCAGCCCCA
 GCCCAGCTCCTGGCAGGGATTCCGGCCGCGCTCCCGTCTTGACTCCTACCTGGCCCCG
 GCCCTACCTTTGGATCCGCCCCCGAACCTGCTCCGGAGCTGCCTTTGTTGCCGAGGAG
 GACCTGAGCCGGCGCCGAGCTGAAGCTCATCCCGTCGGTCTCCAGCGAGGCCGGGCC
 GCCCGGGGCCCTTCCACGCGCACCCGCTGGCCGCAACTCACCCGGGCCACCTG
 GACTTCACCTTCAGGGCAGACCCGTCGGCCATCGGGTGGCGGATCCCCCATTCCAGT
 CCTGTCCCTCGCCATCCTGGGACCATCCCGTCGGCCATCTCCTACAGAATTGTACG
 GAAACCTTCCCTCCTCCAGCGAGAACTTCGCGCTGGACAAGAGGGTCTGATTGAGTG
 ACCTACTGTGGCTCTGAAGCTATAGCCTTCGGTACATTCTACTAAAAAGAGCCTGGAG
 CAGCAATTTCCGAATCACCTACTTCTTTGAAGGAGGACAGGAGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_182704 unedited
 AGGCACATGAACCTCCGGGCCGGAAGACCTGGGGTAGGGTCACAAGGGATGCCACC
 CGGGATCTGTTCAAGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGCTACCTTTT
 CTTGATTTCTCATCGATAACGCTCACAATTTTCTGCAGCCTGGACTCGTTCACAAAGCC
 ATCACCCCTCTTCTTGAATGGACAGTCTCCCGTTCACAAACACCTCAAACCTCCCTGT
 AGCCTGGGCAGCTCTGTCTCTCAAAGAGTAGGTGATTGCGAAATTGCTGCTCCAGGCT
 CTTTTTCAGTAGAATGTACCGAAGGCTATAGCTTCAGAGGCCACAGTAGGTCACCTGAAT
 CAGGACCTCTTGTCCAGCGCAAGTTCTCGCTGGAGGAGGGGAAGGTTTCCGTACAATT
 CTGTAAGGAGATGGCCGACGGGATGGTCCCAGGATGGGCGAGGGGACAGGACTGGGAAT
 GGGGGGATCCGCCAGCCGATGGCCGACGGTCTGCCCTGAAGGTGAAGTCCAGGGTGGG
 CCCGGGTGAGTTCGCGGCCAGCGGGGTGCGCTGGGAAGGGGCCCGGGCGGGCCCGGC
 CTCGCTGGAGACCGACGGGATGAGCTTCAGGCTCGGCGCCGGCTCAGGGTCTCTCGGG
 CAACAAAGGCAGCTCCGAGCAGTTCGGGGGCGGATCCAAAGGTAGGGCCGGGCCAGG
 TAGGAGTCCAAGACGGGAGCGCGGCCGAATCCCTGCCAGGAGTGGGCTGGGGCTGGG
 GCTGGGACCCGGACTGGAGGAGTCAGGTCGAGCCGAGTCCGGACCGGAGTTGGGTTC
 GACGGACGGAGTCGACCGAGTAGGGATCCAGCCGAGCAGAGCGACCAGCGGGATCCG
 GGCCAGAGCGGGAGTGGGACAGAGTGGGAA

Restriction Sites:

Please inquire

ACCN:

NM_182704

Insert Size:

1100 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](#) The expression of this clone is not guaranteed due to the nature of selenoproteins.

OTI Annotation:

This clone encodes a selenoprotein containing the rare amino acid selenocysteine (Sec). Sec is encoded by UGA codon, which normally signals translational termination. Expression of this clone is not guaranteed due to the nature of selenoproteins.

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:	<u>NM_182704.1, NP_874363.1</u>
RefSeq Size:	1704 bp
Locus ID:	348303
UniProt ID:	<u>P59797</u>
Cytogenetics:	19q13.2
Gene Summary:	This gene encodes a selenoprotein containing a selenocysteine (Sec) residue, which is encoded by the UGA codon that normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, the Sec insertion sequence (SECIS) element, which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. This protein is specifically expressed in the testis. It belongs to the SelWTH family, which possesses a thioredoxin-like fold and a conserved CxxU (C is cysteine, U is Sec) motif, suggesting a redox function for this gene. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Apr 2017] Transcript Variant: This variant (1) represents the predominant transcript, and encodes the longer isoform (1).