

## Product datasheet for **SC207957**

### **SELS (SELENOS) (NM\_018445) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** SELS (SELENOS) (NM\_018445) Human 3' UTR Clone  
**Symbol:** SELS  
**Synonyms:** AD-015; ADO15; SBB18; SELS; SEPS1; VIMP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_018445  
**Insert Size:** 610 bp  
**Insert Sequence:** >SC207957 3'UTR clone of NM\_018445  
 The sequence shown below is from the reference sequence of NM\_018445. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
AGAGGCCCGTCATCTGGCGGATGAGGCTAGAATCTTGTTAGTGTCACCTTTGACATTAGCAAGATGAA
CCCTTAACCTCGATTCAATTGCCTTACGCACGCTTTTCACAGTGACTAGCCAAGGGGAGGTGGGGTTG
ATTTCTGTTCTAACTACACCTGCATATGTCAGGGCTCCAGTCAGCAAAAGGTATAGATGTTGCCTCTA
GGCATGAGGTCATTGGTCACATTCTACTGGAGACAGTGATTGCATTATTGATTTCATGGTTAATTGC
TAGTTGGTAGGTAAAGGCCTCTAGATGATTAGCAATCTTGATAAAAGAGGCCTAGTAATGTTCTTTTGA
GGTTAGAAATCCTTGCTGCTAGGACAGTCTCTGTGACAGGTTGCGTTGAATGATGTCTTCCTTATCAAT
GGTGAGCCCAACAGTGAGGATTACTGATGTGGACAGTTGATGGGGTTTGTCTGTATATTTATTTTAA
TGTACAGAACTTTGTAAAAACGAACTATTTAAAAACAAGAATAACATTTTATGATCTTTATTCAAG
GAGATTTATGGACTTCAATTTGTCTATCAAACATTAAATAGCTTTTATTACAACCTC
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).


[View online »](#)

<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_018445.6</a>
<b>Summary:</b>	This gene encodes a transmembrane protein that is localized in the endoplasmic reticulum (ER). It is involved in the degradation process of misfolded proteins in the ER, and may also have a role in inflammation control. This protein is a selenoprotein, containing the rare amino acid selenocysteine (Sec). Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. Two additional phylogenetically conserved stem-loop structures (Stem-loop 1 and Stem-loop 2) in the 3' UTR of this mRNA have been shown to function as modulators of Sec insertion. An alternatively spliced transcript variant, lacking the SECIS element and encoding a non-Sec containing shorter isoform, has been described for this gene (PMID:23614019). [provided by RefSeq, Jul 2017]
<b>Locus ID:</b>	55829
<b>MW:</b>	22.6