

Product datasheet for **RG221999**

SEL1L (NM_005065) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEL1L (NM_005065) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SEL1L
Synonyms:	Hrd3; PRO1063; SEL1-LIKE; SEL1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG221999 representing NM_005065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGGTCCGGATAGGGCTGACGCTGCTGCTGTGTGCGGTGCTGCTGAGCTTGGCCTCGGCCCTCTCGG
 ATGAAGAAGGCAGCCAGGATGAATCCTTAGATTCCAAGACTACTTTGACATCAGATGAGTCAGTAAAGGA
 CCATACTACTGCAGGCAGAGTAGTTGCTGGTCAAATATTTCTTGATTGAGAAGAATCTGAATTAGATCC
 TCTATTCAAGAAGAGGAAGACAGCCTCAAGAGCCAAGAGGGGAAAGTGTACAGAAGATATCAGCTTTC
 TAGAGTCTCCAAATCCAGAAAACAAGGACTATGAAGAGCCAAAGAAAGTACGGAAACCAGCTTTGACCGC
 CATTGAAGGCACAGCACATGGGGAGCCCTGCCACTTCCCTTTTCTTTTCTAGATAAGGAGTATGATGAA
 TGTACATCAGATGGGAGGAAGATGGCAGACTGTGGTGTGCTACAACCTATGACTACAAAGCAGATGAAA
 AGTGGGGCTTTTGTAACTGAAGAAGAGGCTGCTAAGAGACGGCAGATGCAGGAAGCAGAAATGATGTA
 TCAAACCTGGAATGAAAATCCTTAATGGAAGCAATAAGAAAAGCCAAAAAGAGAAGCATATCGGTATCTC
 CAAAAGGCAGCAAGCATGAACCATACCAAAGCCCTGGAGAGAGTGCATATGCTCTTTTATTTGGTGATT
 ACTTGCCACAGAATATCCAGGCAGCGAGAGAGATGTTTGAGAAGCTGACTGAGGAAGGCTCTCCCAAGGG
 ACAGACTGCTCTTGGCTTCTGTATGCCTCTGGACTTGGTGTAAATCAAGTCAGGCAAAGGCTCTTGTA
 TATTATACATTTGGAGCTCTTGGGGCAATCTAATAGCCACATGGTTTTGGGTTACAGATACTGGGCTG
 GCATCGGCGTCTCCAGAGTTGTGAATCTGCCCTGACTCACTATCGTCTTGTGGCAATCATGTTGCTAG
 TGATATCTCGCTAACAGGAGGCTCAGTAGTACAGAGAATACGGCTGCCTGATGAAGTGGAAAATCCAGGA
 ATGAACAGTGAATGCTAGAAGAAGATTTGATTCAATATTACCAGTTCCTAGCTGAAAAGGTGATGTAC
 AAGCACAGTTGGTCTTGGACAACCTGCACGGAGGGCGTGGAGTAGAACAAGAATCATCAGAGAGC
 ATTTGACTACTTCAATTTAGCAGCAAATGCTGGCAATTCACATGCCATGGCCTTTTTGGGAAAGATGTAT
 TCAGAAGGAAGTACATTGTACCTCAGAGTAATGAGACAGCTCTCCACTCTTTAAGAAAGCTGCTGACA
 TGGGCAACCCAGTTGGACAGAGTGGGCTTGAATGGCCTACCTCTATGGGAGAGGAGTTCAAGTTAATTA
 TGATCTAGCCCTAAGTATTTCCAGAAAGCTGCTGAACAAGGCTGGGTGGATGGGAGCTACAGCTTGGT
 TCCATGTACTATAATGGCATTGGAGTCAAGAGAGATTATAAACAGGCCTTGAAGTATTTAATTTAGCTT
 CTCAGGGAGGCCATATCTTGGCTTCTATAACCTAGCTCAGATGCATGCCAGTGGCACCGGCGTGATGCG
 ATCATGTCACACTGCAGTGGAGTTGTTAAGAATGTATGTGAACGAGGCCGTTGGTCTGAAAGGCTTATG
 ACTGCCTATAACAGCTATAAAGATGGCGATTACAATGCTGCAGTATCCAGTACCTCCTCTGGCTGAAC
 AGGGCTATGAAGTGGCACAAAGCAATGCAGCCTTTATTCTTGATCAGAGAGAAGCAAGCATTGTAGGTGA
 GAATGAAACTTATCCAGAGCTTTGCTACATTGGAACAGGGCCGCTCTCAAGGCTATACTGTGGCTAGA
 ATTAAGCTCGGAGACTACCATTTCTATGGGTTTGGCACCAGTGTAGATTATGAACTGCATTTATTCATT
 ACCGTCTGGCTTCTGAGCAGCAACACAGTGCACAAGCTATGTTAATCTGGGATATATGCATGAGAAAGG
 ACTGGGCATTAACAGGATATTCACCTTGCAAAACGTTTTTATGACATGGCAGCTGAAGCCAGCCCAGAT
 GCACAAGTTCAGTCTTCTAGCCCTCTGCAAATGGGCGTCTCTATTTCTTGCAGTACATACGGGAAA
 CAAACATTCGAGATATGTTACCCAACCTGATATGGACCAGCTTTTGGGACCTGAGTGGGACCTTACCT
 CATGACCATCATTGCGCTGCTGTTGGGAACAGTATAGCTTACAGGCAAAGGCAGCACCAAGACATGCCT
 GCACCCAGGCCTCCAGGGCCACGGCCAGCTCCACCCAGCAGGAGGGGCCACCAGAGCAGCAGCCACCAC
 AG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG221999 representing NM_005065
Red=Cloning site Green=Tags(s)

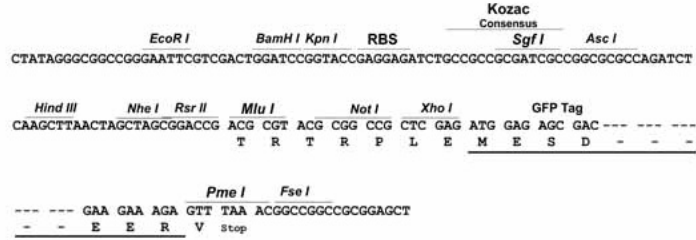
MRVRIGLTLLLCVLLSLASASSDEEGSQDESLSKTTLTSDSVKDHTTAGRVVAGQIFLDSESELES
SIQEEEDSLKSQEGESVTEDISFLESPNPENKDYEEPKKVRKPALTAIEGTAHGEPCHFPFLFDKEYDE
CTSDGREDGRLWCATTYDYKADEKWFCEEEEEAAKRRQMQAEMMYQTGMKILNGSNKKSQKREAYRYL
QKAASMNHTKALERVSYALLFGDYLPQNIQAAREMFELTEEGSPKGQTALGFLYASGLGVNSSQAKALV
YYTFGALGGNLI AHMVLGYRYWAGIGVLQSCESALTHYRLVANHVASDISLTGGSVVQRIRLPDEVENPG
MNSGMLEEDLIQYYQFLAEKGDVQAQVGLGQLHLHGGRGVEQNHQRAFDYFNLAANAGNSHAMAFLGKMY
SEGSDIVPQSNETALHYFKKAADMGNPVGQSGLGMAVLYGRGVQVNYDLALKYFQKAAEQGWVDGQLQLG
SMYYNGIGVKRDYKQALKYFNLASQGGHILAFYNLAQMHASGTGVMRSCHTAVELFKNVCERGRWSERLM
TAYNSYKGDYNAAVIQYLLLAEQGYEVAQSNAAFILDQREASIVGENETYPRALLHWNRAASQGYTVAR
IKLGDYHFYGFQTDVDYETAFIGYRLASEQQHSAQAMFNLGYMHEKGLGIKQDIHLAKRFYDMAAEASPD
AQVPVFLALCKLGVVYFLQYIRETNIRDMFTQLDMDQLLGPEDWLYLMTIIALLLGTVIAYRQRQHQMPP
APRPPGPRPAPPQQEGPPEQQPPQ

TRTRPLE - GFP Tag - V

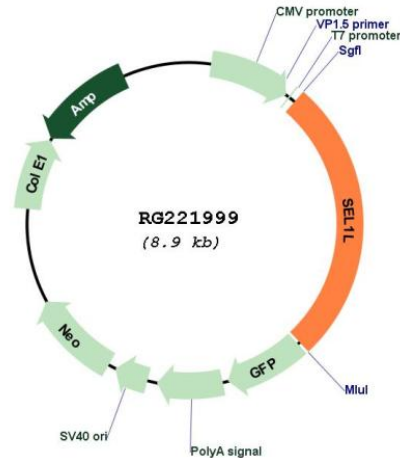
Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_005065

ORF Size: 2382 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_005065.3](#), [NP_005056.3](#)

RefSeq Size: 7885 bp

RefSeq ORF: 2385 bp

Locus ID: 6400

UniProt ID: [Q9UBV2](#)

Cytogenetics: 14q31.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene is part of a protein complex required for the retrotranslocation or dislocation of misfolded proteins from the endoplasmic reticulum lumen to the cytosol, where they are degraded by the proteasome in a ubiquitin-dependent manner. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]