

Product datasheet for **RG233696**

SEL1L (NM_001244984) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEL1L (NM_001244984) 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)
ORF Nucleotide Sequence:	>RG233696 representing NM_001244984 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGGTCCGGATAGGGCTGACGCTGCTGTGTGCGGTGCTGCTGAGCTTGGCCTCGGCGTCTCGG
ATGAAGAAGGCAGCCAGGATGAATCCTTAGATTCCAAGACTACTTTGACATCAGATGAGTCAGTAAAGGA
CCATACTACTGCAGGCAGAGTAGTTGCTGGTCAAATATTTCTTGATTGAGAAGATCTGAATTAGAATCC
TCTATTCAAGAAGAGGAAGACAGCCTCAAGAGCCAAGAGGGGAAAGTGTACAGAAGATATCAGCTTTC
TAGAGTCTCCAAATCCAGAAAACAAGACTATGAAGAGCCAAGAAAGTACGGAAACCAGCTTTGACCGC
CATTGAAGGCACAGCACATGGGGAGCCCTGCCACTTCCCTTTTCTTTTCTAGATAAGGAGTATGATGAA
TGTACATCAGATGGGAGGGAAGATGGCAGACTGTGGTGTGCTACAACCTATGACTACAAAGCAGATGAAA
AGTGGGGCTTTTGTGAACTGAAGAAGAGGCTGCTAAGAGACGGCAGATGCAGGAAGCAGAAATGATGTA
TCAAAGTGAATGAAAATCCTTAATGGAAGCAATAAGAAAAGCCAAAAAGAGAAGCATATCGGTATCTC
CAAAGGCAGCAAGCATGAACCATACCAAAGCCCTGGAGAGAGTGTATGCTCTTTTATTTGGTGATT
ACTTGCCACAGAATATCCAGGCAGCGAGAGAGATGTTTGAAGCTGACTGAGGAAGGCTCTCCCAAGGG
ACAGACTGCTCTTGGCTTTCTGTATGCCTCTGGACTTGGTGTAAATCAAGTCAGGCAAAGGCTCTTGT
TATTATACATTTGGAGCTTTGGGGCAATCTAATAGCCACATGGTTTTGGTAAGTAGACTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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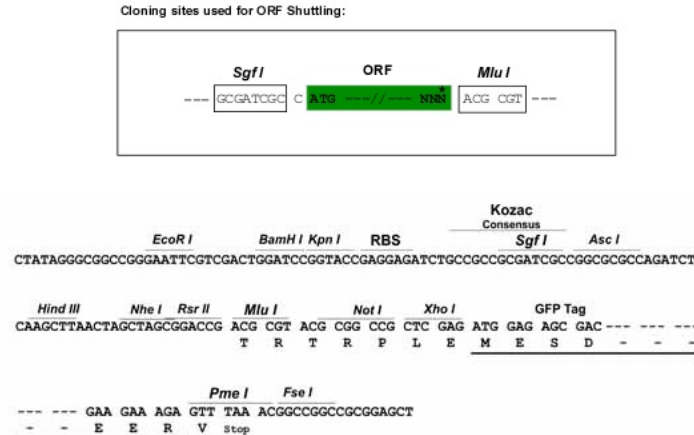
Protein Sequence: >RG233696 representing NM_001244984
 Red=Cloning site Green=Tags(s)

MRVRIGLTLLLCVLLSLASASSDEEGSQDESLSKTTLTSDSVKDHTTAGRVVAGQIFLDSESELES
 SIQEEEDSLKSQEGESVTEDISFLESPNPENKDYEEPKKVRKPALTAIEGTAHGEPCHFPFLFDKEYDE
 CTSDGREDGRLWCATTYDYKADEKWFCETEEEAAKRRQMQEAMMYQTGMKILNGSNKKSQKREAYRYL
 QKAASMNHTKALERVSYALLFGDYLPQNIQAAREMFEKLTEEGSPKGQTALGFLYASGLGVNSSQAKALV
 YYTFGALGGNLI AHMVLVSRL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001244984

ORF Size: 903 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_001244984.1](#), [NP_001231913.1](#)

RefSeq Size: 1675 bp

RefSeq ORF: 906 bp

Locus ID: 6400

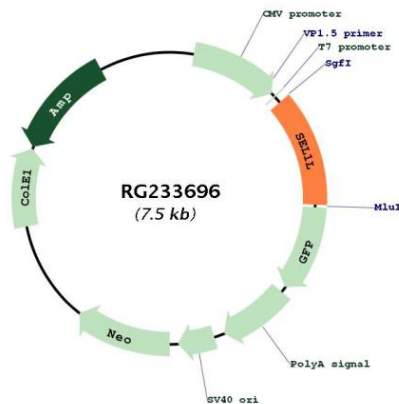
UniProt ID: [Q9UBV2](#)

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]

Product images:



Circular map for RG233696