

## Product datasheet for MC202913

### Sel1l (NM\_011344) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sel1l (NM_011344) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sel1l
Synonyms:	AW493766; mKIAA4137; Sel1h
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC026816 sequence for NM\_011344  
 GGAAGAGCGGCTCGGAGCGGCGGCACAGAGCCGCGGCTGAGTTGGTCGCGGCGACGGCGACGGCGGACG  
 GCGAGGGCTCTCGACCTTCGAGAGCAGGATGCAGGTCGCGCTCAGGCTGTCGTTGCTGCTGCTCTCGCGG  
 GTGCTCCTGGGCTCGGCAGCCGCGACCTCGGATGACAAAATAACCAGGATGACTCCTTAGATTCCAAGA  
 GTTCTTTGCCACAGATGAGTCAGTGAAGGACCACACCACCGGCAAAGTAGTTGCTGGCCAGATATT  
 TGTGATTCTGAAGAAGCAGAAGTGGAATCCCTTCTTCAGGACGAGGAAGATAGCTCCAAGACCCAGGAG  
 GAAGAGATCAGCTTTTTAGAATCCTCGAATCCAAGCAGCAAGACCTACGAAGAATAAAGAGAGTGCGGA  
 AGCCAGTCTTGACTGCCATTGAAGCTGAAGAAGATGCTGCCAAAAGACGACAGATGCAGGAAGCAGAGAT  
 GATCTATCAGGCCGGATGAAGATACTGAATGGAAGCAATAGGAAGGCCAAAAGAGAGAAGCATATCGG  
 TACCTTCAGAAGGCAGCAGGCATGAATCACACCAAAGCCCTGGAGAGAGTGTCTATGCTCTCTTGTGTTG  
 GTGATTACCTCACACAGAATATCCAGGCAGCCAAAGAGATGTTTGAGAACTGACTGAGGAAGGGTCTCC  
 CAAAGGACAGACTGGTCTTGGCTTCTCTACGCTTCTGGGCTTGGTGTTAATTCAAGTCAGGCAAAGGCT  
 CTTGTATATTATACTTTTCGGAGCTCTTGGAGGCAACCTGATAGCCATATGATTTTGGGTTACCGCTACT  
 GGGCTGGCATCGGAGTCTCCAGAGTTGTGAGTCGGCACTGACCCATTATCGTCTTGTGCAATCATGT  
 TGCTAGTGATATCTCCCTAACTGGAGGCTCTGTAGTCCAGAGAATACGGCTGCCCGATGAAGTGGAAAAC  
 CCGGGATGAACAGTGGGATGCTGGAAGAAGACCTGATTCAGTATTACCAGTTCCTAGCTGAGAAGGGTG  
 ACGTCCAAGCACAGGTTGGCCTGGGACAGCTGCATCTGCATGGAGGGCGTGGAGTAGAACAGAATCACCA  
 GAGAGCGTTTACTACTTCAACTTAGCAGCAAATGCTGGCAATTCACATGCTATGGCCTTCTGGGAAAG  
 ATGTATTCTGAAGGAAGTGACATCGTACCTCAGAGTAATGAGACGGCACTTCACTACTTTAAGAAAGCTG  
 CTGACATGGGCAACCCCGTGGGACAGAGCGGGCTTGAATGGCCTACCTCTACGGAAGAGGCGTTCAAGT  
 TAATTATGACCTGGCCCTCAAGTATTTCCAGAAAGCTGCTGAGCAAGGCTGGGTGGACGGCAGCTGCAG  
 CTCGGCTCTATGTACTACAATGGCATTGGAGTCAAGAGAGATTATAAGCAGGCTTGAAGTATTTTAATC  
 TGGCTTCTCAAGGAGCCATATCTTGGCTTTCTATAACCTCGCACAGATGCACGCCAGCGGCACAGGGGT  
 GATGCGGTCTGTCACTGCAGTGGAGTTGTTAAGAATGTGTGTGAGCGAGGTCGCTGGTCAGAGAGA  
 CTGATGACTGCCTACAACAGCTATAAGGATGAGGACTACAATGCTGCAGTGGTCCAGTACCTCCTGCTGG  
 CTGAGCAGGGCTACGAGGTGGCGCAGAGCAACGCAGCCTTCATCCTCGACCAGAGAGAAGCAACCATTGT  
 AGGTGAGAAATGAAACTTACCCAGAGCTTACTGCATTGGAACAGGGCCGCTCCAAGGTTACTACTGTG



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GCTAGAATTAAGCTTGGAGACTACCACTTCTATGGCTTTGGCACTGATGTGGATTATGAGACCGCATTTA  
 TTCATTACCGCTGGCTTCTGAGCAGCAGCACAGCGCCCAAGCTATGTTAACCTGGGCTACATGCACGA  
 GAAGGGCCTAGGCATTAACAGGACATTCACCTTGCAAAACGCTTTTATGACATGGCAGCCGAAGCTAGC  
 CCAGATGCACAAGTACCTGTGTTCTCGCACTCTGCAAAATTAGGTGTCGTCTATTTCTTACAGTACATAC  
 GGAAGCAAACATTCGAGATCTATTACACAACCTGGATATGGACCAGCTTTTGGGACCCGAGTGGGACCT  
 TTACCTCATGACCATCATTGCACTGCTCTTGGGTACAGTCATAGTTACAGGCAGCGACAGCACCAGGAC  
 ATACCAGTTCCCAGGCCCCAGGGCCACGGCCGGCTCCTCCCAGCAGGAAGGACCACCAGAGCAGCAGC  
 CACCACAGTAGCAGCCACACACTCACCTTGGTCGGTGACCACTGGGGAGCTGCTTGCTGAGAACGTTGC  
 ATTTGATGTAGGGCTCTGGATGGTGGCACC GCCTGGAAGAGGCGTGAGGCGTGTTGAATCCCAGAAGCTG  
 CTTAGAACCTGCTGCCTTCTTTTCAGGGATGCGCGGCTCTCGGCAGAGCTGCAGTGAATGTTTGTTC  
 GTGCCATACGGAATGACAACCTCAGTGGCTTTCTCTTTCTTTTCTTTCTTTCTTTCTTTCTTTCTTTCT  
 ACAAGACACTCGAGTCATGTCTACTGTACCCTGTCTTTCTGAGAGACCTTTCTGCATCCTGTTGATGTG  
 CATAACTTCTTACCTGTCTTCTAAGGTCTGAGCATTGACAACCTGGGAAACCCAGTTAGTTGCAAGTT  
 TAACCCTAAAAACATGCTTAAGTCTGAGACTAGAACTTGCCATTAAGTCAAAAGCAAAACAAGCCAAGCA  
 GGACGTCTTCAGGGTGTGGGAAATGCAGTAAGTGGGAAATTTACCAGTCTACATGCCAGGTCATATG  
 TTCGGCACGCTTATTTAAAAGGATTATTGATCGGATTCCTGTACTGTACTCTGACACTTCTAGCAA  
 ACTTCTTCTCTCAAAGACTGAAAGGCTTTGCTAAAGACTTCTTCGTGATGTCACATCCCTGCCATGGAG  
 TAGAAGTCAAACCTCAGTCAGCTGACTCCGTGCTCCACAGAGGACTTTGCCCCAGCTACTCATGTGAGTT  
 GCATATACAGAGCCCTAGTCCAGACGCCAGAGGATGATCTAAATGGAGAAATCAGAAAACAGCCTTAACC  
 AACTTGAGGTGGGACCTGGGACATGCCCTCCCTCGGGTAGATTGCTTCCCGGATCTCATTTTACTT  
 CACATTTCTTATGGCACAGAGAACAGACAACCCCTCCCAAAGTCTTCAAATATGAAATGCTATTGTCAAGA  
 TTGGCAGGTGGTACTTCTTTGTAATACTAAAATACTAAAATACTCAGACAATGGAGGATGGGTTAGAC  
 CCAATGCATGGCAAACCAAAGGCTGGGTGCACCGTTGTGTATGCTGCGGGAGCTTTTTATTTCTGACG  
 GTTTGATGGCTGTAGAAAGTCAGCCACTGAGTAGCTGTTGTGTATCGCCCTTCTGTTGTAACATTA  
 GGAATTAAGCAGTTACACCCAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_011344
- Insert Size:** 2223 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** [BC026816](#), [AAH26816](#)
- RefSeq Size:** 3540 bp
- RefSeq ORF:** 2223 bp

Locus ID: 20338

UniProt ID: [Q9Z2G6](#)

Cytogenetics: 12 D3

**Gene Summary:** Plays a role in the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins (PubMed:25066055, PubMed:24453213). Enhances SYVN1 stability (PubMed:24453213). Plays a role in LPL maturation and secretion (PubMed:25066055). Required for normal differentiation of the pancreas epithelium, and for normal exocrine function and survival of pancreatic cells (PubMed:20170518, PubMed:24453213). May play a role in Notch signaling (PubMed:20170518).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) has an alternate splice site in the coding region, compared to variant 1. The resulting isoform (b) lacks an internal segment, compared to isoform a.

Sequence Note: This sequence has been modified as follows: removed 22 bp suspected to be vector contamination from the 3' end.