

Product datasheet for **MR210395**

Sel1l (NM_011344) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sel1l (NM_011344) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sel1l
Synonyms:	AW493766; mKIAA4137; Sel1h
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210395 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAAGTCCGCGTCAGGCTGTCTGCTGCTCTGCGCGGTGCTCCTGGGCTCGGCAGCCGCGACCT
CGGATGACAAAACCTAACCAGGATGACTCCTTAGATTCCAAGAGTTCTTTGCCACAGATGAGTCAGTGAA
GGACCACACCACCACGGGCAAAGTAGTTGCTGGCCAGATATTTGTTGATTCTGAAGAAGCAGAAAGTGAA
TCCCTTCTCAGGACGAGGAAGTAGCTCCAAGACCCAGGAGGAAGAGATCAGCTTTTTAGAACTCCGA
ATCCAAGCAGCAAGACCTACGAAGAATAAAGAGAGTGCAGGAGCCAGTCTTGACTGCCATTGAAGCTGA
AGAAGATGCTGCCAAAAGACGACAGATGCAGGAAGCAGAGATGATCTATCAGGCCGGATGAAGATACTG
AATGGAAGCAATAGGAAGAGCCAAAAGAGAGAAGCATATCGGTACCTTCAGAAGGCAGCAGGCATGAATC
ACACCAAAGCCCTGGAGAGAGTGTCTATGCTCTCTTGTGTTGGTATTACCTCACACAGAATATCCAGGC
AGCCAAAAGAGATGTTTGAGAAAAGTACTGAGGAAGGGTCTCCCAAAGGACAGACTGGTCTTGGCTTTCTC
TAGCCTTCTGGGCTTGGTGTAAATCAAGTCAGGCAAAGGCTCTTGTATATTATACTTTCCGAGCTCTTG
GAGGCAACCTGATAGCCCATATGATTTTGGGTTACCGCTACTGGGCTGGCATCGGAGTCTCCAGAGTTG
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TCTGTAGTCCAGAGAATACGGCTGCCGATGAAGTGGAACCCGGGATGAACAGTGGGATGCTGGAAG
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GCAAATGCTGGCAATTCATGCTATGGCCTTCTGGGAAAGATGATTTCTGAAGGAAGTGACATCGTAC
CTCAGGTAATGAGACGGCACTTCACTACTTTAAGAAAGCTGCTGACATGGGCAACCCCGTGGGACAG
CGGCTTGGAAATGGCCTACCTCTACGGAAGAGGGTTCAAGTTAATTATGACCTGGCCCTCAAGTATTTTC
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CACTCTGCAAAATTAGGTGTCGTCTATTTCTTACAGTACATACGGGAAGCAAACATTCGAGATCTATTAC
ACAAGTGGATATGGACCAGCTTTTGGGACCCGAGTGGGACCTTTACCTCATGACCATCATTGCACTGCTC
TTGGGTACAGTCATAGCTTACAGGCAGCGACAGCACCAGGACATACCAGTCCCAGGCCCCAGGGCCAC
GGCCGGCTCCTCCCAGCAGGAAGGACCACCAGAGCAGCAGCCACCACAG

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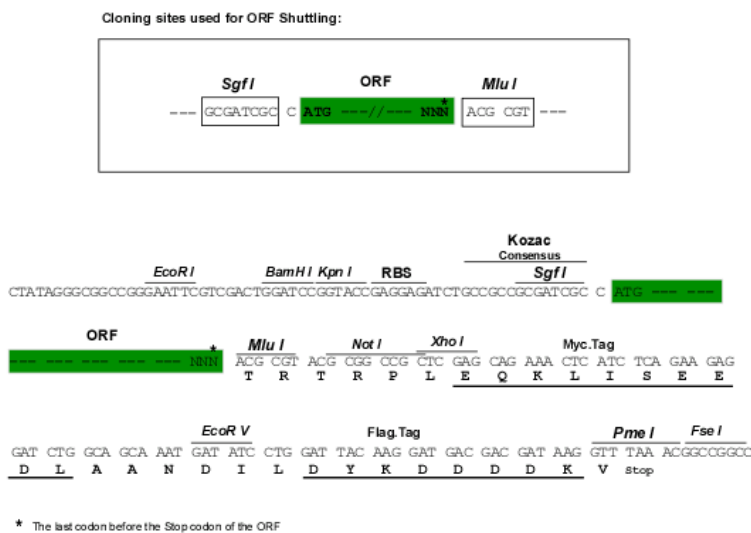
Protein Sequence: >MR210395 protein sequence
Red=Cloning site Green=Tags(s)

MQVRVRLSLLLLCAVLLGSAATSDDKTNQDDSLDSKSSLPTDESVDKHTTTGKVVAGQIFVDSEEA EVE
 SLLQDEEDSSKTQEEIISFLESPNPSSKTYEELKRVKPVLTAEAEEDAARRQMQEAEMIYQAGMKIL
 NGSNRKSQKREAYRYLQKAAGMNHKALERVSYALLFGDYLTQNIQAAKEMFEKLTEEGSPKGQTLGFL
 YASGLGVNSSQAKALVYYTFGALGGNLIAHMILGYRYWAGIGVLQSCESALTHYRLVANHVASDISLTGG
 SVVQRIIRLPDEVENPGMNSGMLEEDLIQYYQFLAEKGDVQAQVGLGQLHLHGGRGVEQNHQRAFDFNLA
 ANAGNSHAMAF LGKMYSEGSDIVPQSNETALHYFKKAADMGNPVGQSGLGMAYL YGRGVQVNYDLALKYF
 QKAAEQGWVDGQLQLGSMYYNGIGVKRDYKQALKYFNLASQGGHILAFYNLAQMHASGTGMRSCHTAVE
 LFKNVCERGRWSERLMTAYNSYKDEDYNAAVVQYLLLAEQGYEVAQSNAAFILDQREATIVGENETYPR
 LLHWNRAASQGYTVARIKLDYHFYGFQTDVDYETAFIHYRLASEQQHSAQAMFNLGYMHEKGLGIKQDI
 HLAKRFDMAEASPDAQVPVFLALCKLGVVYFLQYIREANIRDLFTQLDMDQLLGPEDLYLMTIALL
 LGTVIAYRQRQHDI PVPRPPGPRPAPPQQEGPPEQQPPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011344

ORF Size: 2223 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_011344.2](#), [NP_035474.1](#)

RefSeq Size: 6150 bp

RefSeq ORF: 2223 bp

Locus ID: 20338

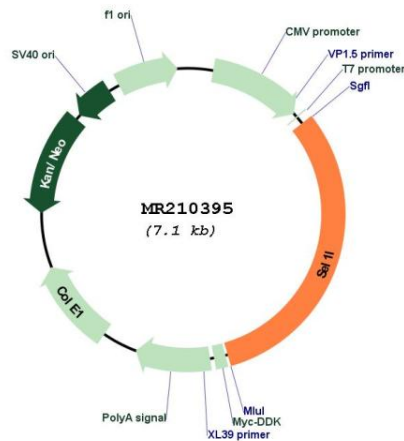
UniProt ID: [Q9Z2G6](#)

Cytogenetics: 12 D3

MW: 82.5 kDa

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]

Product images:



Circular map for MR210395