

Product datasheet for **MG210395**

Sel1l (BC026816) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sel1l (BC026816) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sel1l
Synonyms:	AW493766; mKIAA4137; Sel1h
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210395 representing BC026816
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAAGTCCGCGTCAGGCTGTCTGCTGCTCTGCGCGGTGCTCCTGGGCTCGGCAGCCGCGACCT
CGGATGACAAAACCTAACCAGGATGACTCCTTAGATTCCAAGAGTCTTTGCCACAGATGAGTCAGTGAA
GGACCACACCACCACGGGCAAAGTAGTTGCTGGCCAGATATTTGTTGATTCTGAAGAAGCAGAAGTGAA
TCCCTTCTCAGGACGAGGAAGTAGCTCCAAGACCCAGGAGGAAGAGATCAGCTTTTTAGAACTCCGA
ATCCAAGCAGCAAGACCTACGAAGAATAAAGAGAGTGCAGGAGCCAGTCTTGACTGCCATTGAAGCTGA
AGAAGATGCTGCCAAAAGACGACAGATGCAGGAAGCAGAGATGATCTATCAGGCCGGATGAAGATACTG
AATGGAAGCAATAGGAAGAGCCAAAAGAGAGAAGCATATCGGTACCTTCAGAAGGCAGCAGGCATGAATC
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AGCCAAAAGAGATGTTTGAGAAAAGTACTGAGGAAGGGTCTCCCAAAGGACAGACTGGTCTTGGCTTCTC
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GAGGCAACCTGATAGCCCATATGATTTTGGGTTACCGCTACTGGGCTGGCATCGGAGTCTCCAGAGTTG
TGAGTCGGCACTGACCCATTATCGTCTTGTGCAATCATGTTGCTAGTGATATCTCCCTAACTGGAGGC
TCTGTAGTCCAGAGAATACGGCTGCCGATGAAGTGAAAACCCGGGATGAACAGTGGGATGCTGGAAG
AAGACCTGATTCAAGTATTACAGTTCCTAGCTGAGAAGGGTGACGTCCAAGCACAGGTTGGCCTGGGACA
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GCAAATGCTGGCAATTCATGCTATGGCTTCTGGGAAAGATGATTTCTGAAGGAAGTGACATCGTAC
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CGGGCTTGAATGGCCTACCTCTACGGAAGAGGGTTCAAGTTAATTATGACCTGGCCCTCAAGTATTTT
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ACAAGTGGATATGGACCAGCTTTTGGGACCCGAGTGGGACCTTTACCTCATGACCATCATTGCACTGCTC
TTGGGTACAGTCATAGCTTACAGGCAGCGACAGCACCAGGACATACCAGTCCCAGGCCCCAGGGCCAC
GGCCGGCTCCTCCCAGCAGGAAGGACCACCAGAGCAGCAGCCACCACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210395 representing BC026816
 Red=Cloning site Green=Tags(s)

MQVRVRLSLLLLCAVLLGSAAATSDDKTNQDDSLDSKSSLPTDESVDHTTTGKVVAGQIFVDSEEA EVE
 SLLQDEEDSSKTQEEEISFLESPNPSSKTYEELKRVKPVLT AIEAEEDA AKRRQMQE AEM IYQAGMKIL
 NGSNRKSQKREAYRYLQKAAGMNHTKALERVSYALLFGDYLTQNIQA AKEMFEKL TEEGSPKGQTLGFL
 YASGLGVNSSQAKALVYYTFGALGGNLIAHMILGYRYWAGIGVLQSCESAL THYRLVANHVASDISLTGG
 SVVQRI RLPDEVENPGMNSGMLEEDLIQYYQFLAEKGDVQAQVGLGQLHLHGGRGVEQNHQRAFDYFNLA
 ANAGNSHAMAFLGKMYSEGSDIVPQSNETALHYFKAADMGNPVQSGLGMA YLYGRGVQVNYDLALKYF
 QKAAEQGWVDGQLQLGSMYYNGIGVKRDYKQALKYFNLASQGGHILAFYNLAQM HASGTGVMRSCHTAVE
 LFKNVCERGRWSERLMTAYNSYKDEDYNAAVVQYLLLAEQGYEVAQSNAAFILDQREATIVGENETY PRA
 LLHWNRAASQGYTVARIKLDYHFYGFQTDVDYETAFIHYRLASEQQHSAQAMFNLGYMHEKGLGIKQDI
 HLAKRFDMAAEASPD AQVPVFLALCKLGVVYFLQYIREANIRDLFTQLDMDQLLGP EWDLYLMTIIALL
 LGTVIAYRQRQH QDIPVPRPPGPRPAPPQQEGPPEQQPPQ

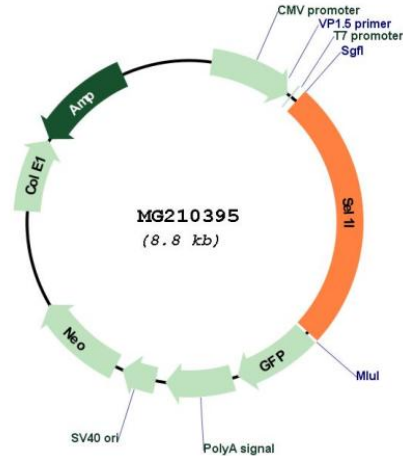
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: BC026816

ORF Size: 2222 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: [BC026816](#), [AAH26816](#)

RefSeq Size: 3540 bp

RefSeq ORF: 2222 bp

Locus ID: 20338

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]