

Product datasheet for **MG221946**

Sel1l (NM_001039089) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sel1l (NM_001039089) 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:

>MG221946 representing NM_001039089
 Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221946 representing NM_001039089
 Red=Cloning site Green=Tags(s)

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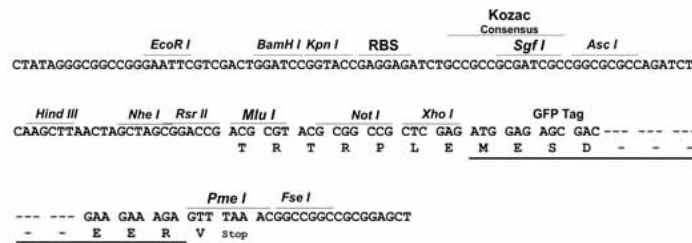
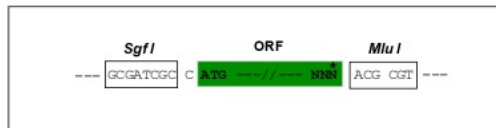
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TRTRPLE - GFP Tag - V

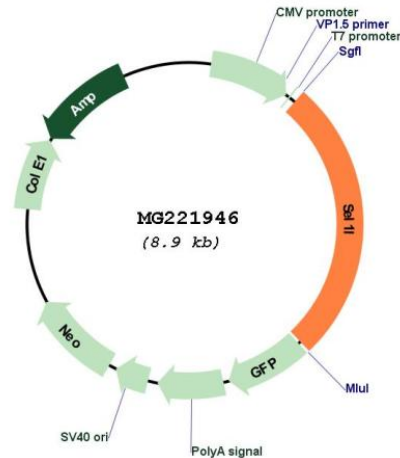
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001039089

ORF Size: 2370 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_001039089.1](#), [NP_001034178.1](#)

RefSeq Size: 6300 bp

RefSeq ORF: 2373 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]