

Product datasheet for **RR205055**

Sel1I (NM_177933) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sel1I (NM_177933) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sel1I
Synonyms:	Sel1h
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR205055 representing NM_177933
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGTCGCGTCAGACTGTTGTTGCTGCTCTGCGCGGTGCTCCTGGGCTCGGCCCGCGCTCCTCAG
 ATGAGGAACTAACCAGGATGAATCCTTAGATTCCAAGGGTGCTTTACCCACAGATGGGTGGTGAAGGA
 CCACACCACTGGCAAAGTAGTTGCTGGCCAGAGATTTGTTGATTCTGAGGACTCAGAGGTGAATCCCTT
 CTTCAGGACGAGGAAGAGAGCTCCAAGAGCCAGGAGGAAGTCAGTGTACGGAAGACATCAGCTTTTATG
 ACTCTCCAAATCCAAGCAGCAAGACCTACGAAGAACTAAAGAGAGTGCAGGAGCCAGTTTGGACTGCCAT
 TGAAGGTACGGCGCACGGGGAGCCCTGCCACTTCCCTTTCTTTCTGGATAAGGAATATGATGAGTGC
 ACATCAGACGGGAGGGAAGATGGCAGACTGTGGTGTGCCACAACCTATGACTACAAGACAGATGAGAAGT
 GGGGCTTCTGCGAAACCAAGAAGATGTGCCAAAAGGCGACAGATGCAGGAAGCAGAAGCCATCTATCA
 GAGCGGGATGAAGATCCTGAACGCGCAGCACCAGGAAGAACCAAAAGAGAGAAGCATATCGGTACCTTCAG
 AAGGCAGCAGGCATGAATCACACCAAGCCCTGGAGAGAGTGTCTATGCTCTCTGTTTGGTGATTACC
 TCACACAGAATATCCAGGCAGCTAAAGAGATGTTTGAAGAACTGACTGAGGAAGGGTCTCCCAAAGGACA
 AACTGGTCTTGGCTTTCTCTACGCTTCTGGACTTGGTGTAAATCAAGTCAGGCGAAGGCTCTTGTGTAT
 TACACTTTTGGAGCTCTTGGAGGCAACCTGATAGCGCATATGGTTTTGGGTTACCGCTACTGGGCTGGCA
 TCGGAGTCTCCAGAGTTGCGAGTCGGCACTGACCATTATCGTCTTGTGCGCAATCATGTGCTAGTGA
 TATCTCCCTAACTGGAGGCTCTGTAGTCCAGAGAATACGGCTGCCTGATGAAGTGAAAACCCAGGGATG
 AACAGTGGGATGCTGGAAGAAGATCTGATTCAGTATTACAGTTCCTAGCTGAGAAGGGTGTATGTTCAAG
 CACAGGTTGGTCTGGGACAGCTGCATCTGCATGGAGGGCGTGGAGTAGAACAGAATCACAGAGAGCGGTT
 TGACTACTTCAACTTAGCAGCAAAATGCTGGCAATTCACATGCTATGGCCTTCTGGGAAAGATGTATTCT
 GAGGGAAGTGACATCGTGCCTCAGAGTAACGAGACGGCACTTCACTACTTCAAGAAAGCTGCTGACATGG
 GCAACCCGGTGGGACAGAGCGGACTTGGAAATGGCCTACCTCTATGGAAGAGGAGTTCAAGTTAATTATGA
 CCTGGCACTCAAGTATTTCCAGAAAGCTGCTGAGCAAGGCTGGGTGGACGGGCGAGCTGCAGCTTGGCTCT
 ATGTACTACAATGGCATTGGAGTCAAGAGAGATTATAAACAGGCCTTGAAGTATTTAATTTAGCTTCTC
 AGGGAGGCCATATCTTGGCTTTCTATAACCTAGCACAGATGCACGCCAGCGGCACAGGGGTGATGAGATC
 CTGCCACACTGCAGTGGAGTTGTTAAGAACGTGTGTGAGCGTGGTGGTGGTCAAGAGGCTGATGACC
 GCCTACAACAGCTATAAAGACGACGACTACAACCGCGTGTGGTCCAGTACCTCCTGCTGGCGGAGCAGG
 GCTACGAGGTGGCGCAGAGCAACGACGCTTATCCTCGACCAGAGAGAAGCAACCATTTGATAGGTGAGAA
 TGAACCTTACCCAGAGCTTTGCTGCATTGGAATAGGGCCGCTCCCAAGGTTATACTGTGGCTAGAATT
 AAAGTTGGAGACTACATTTCTATGGATTTGGCACTGATGTGGATTACGAGACTGCGTTTATTATTAC
 GCCTGGCCTCAGAGCAACAGCACAGTGCCTCAAGCTATGTTTAACTGGGTACATGCATGAGAAGGGCCT
 AGGCATTAACAGGATATCCACCTGGCAAAACGCTTTTATGACATGGCAGCCGAAGCCAGCCAGATGCA
 CAAGTACCTGTATTCTCGCACTCTGCAAATTAGGTGTCGTCTATTTCTTACAGTACATACGGGAAGCAA
 ACATTCGAGATCTATTACACAACCTGGATATGGACCAGCTCTTGGGACCTGAGTGGGATCTTTACCTCAT
 GACCATCATTGCACTGCTGTTGGGTACAGTCATAGCCTACAGGCAGCGACAGCACCAGGACATACCAGTT
 CCCAGGCCCCAGGGCCACGGCCAGCTCCTCCCCAGCAGGAAGGACCCCCAGAGCAGCAGCCACCACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205055 representing NM_177933
 Red=Cloning site Green=Tags(s)

MQVRVRLLLLLCAVLLGSAAASSDEETNQDESLDSK GALPTDGSVKDHTTGKVVAGQRFVDS EDSEVESL
 LQDEEESKSKQEEVSVTEDISFLDSPNPSSKTYEELKRV RKPVLTAIEGTAHGEPCHFPFLFDKEYDEC
 TSDGREDGRLWCATTYDYKTDEKWFCE TEEDA AKRRQM QEAEIYQSGMKILNGSTRKNQKREAYRYLQ
 KAAGMNHTKALERSYALLFGDYLTQNIQA AKEMFEKL TEEGSPKGQTGLGFLYASGLGVNSSQAKALVY
 YTFGALGGNLI AHMVLGYRYWAGIGVLQSCESAL THYRLVANHVASDI SLTGGSVVQRI RLPDEVENPGM
 NSGMLEEDLIQYYQFLAEKGDVQAQVGLGQLHLHGGRGVEQNHQRAFDFNLAANAGNSHAMAFLGKMYS
 EGSDIVPQSNETALHYFKKAADMGNPVGQSGLG MAYLYGRGVQVNYDLALKYFQKAAEQGWV DGGQLQLGS
 MYYNGIGVKRDYKQALKYFNLASQGGHILAFYNLA QMHASGTGVMRSCHTAVELFKNVCERGRW SERLMT
 AYNSYKDDDYNAAVVQYLLLAEQGYEVAQSNAAF I LDQREATIVGENETYPRALLHWNRAASQGYTVARI
 KLG DYHFYFGFTD VDYETA F IHYRLASEQQHSAQAMFNLGYMHEKGLGIKQDIHLAKRFYDMAAEASPD A
 QVPVFLALCKLGVVYFLQYIREANIRDLFTQLDM DQLLGP EWDL YLMTIIALLLGTVIAYRQRQH QDIPV
 PRPPGPRPAPPQQEGPPEQQPPQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_177933

ORF Size: 2379 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_177933.3](#)

RefSeq Size: 3939 bp

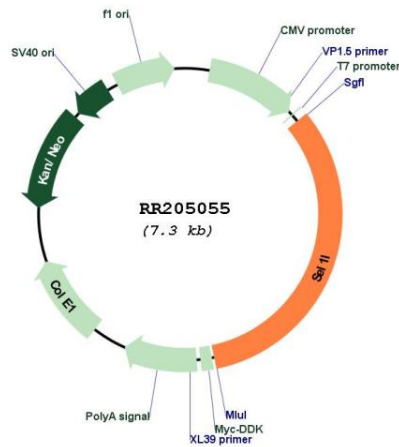
RefSeq ORF: 2382 bp

Locus ID: 314352

Cytogenetics: 6q31

MW: 88.5 kDa

Product images:



Circular map for RR205055