

Product datasheet for MC214352

Selenov (NM_175033) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Selenov (NM_175033) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Selenov
Synonyms:	Selv
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214352 representing NM_175033 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAACAAGGCGGGTCCCCGCTCCCTCCTCAGTCCGGGCAAACACCCGGCCCGGACACCCGCTC
CCATCCGAACCGGACCCAGTCAGGGCCCCGAACCCAGCGCACAACCTCGACTCCAGTCCGAACCTCCAT
CCGGGTCGGGCTCCTGCCAAGTCCCTAACCCGTGTTCCAATCCGGTCCCAACTCCAGCCCCAGTCCCT
GCCCCAACCTAACCCAGCCCCAACTCCAGTCCAGTCCGGCATGCAGACCCGGTGGGACTCCAGCAC
CAGTCCGGGCCCCGAATCTAGGTCGGGTCTTTCCTAAGATCTCTCCAGGAGGTTCTTCCGAGCTTGGC
CTCGCCACGGCACAGCCCTTTCTTCCAGGGCTGCTAGCGCTCTCTGAAGGATCCACACTCGCTCAA
AATCAGAAACCTCGATCCACAGCCTAGCGGAGGCCATCCAGGGGCCCTTCCAGTGCTCACTCCCTCGT
CCTCCAAGACACAAGGCTCCATACCGGACACCGCTCTCCCATAGACTCCTTGGCTTCTACTGCCATGGC
CTCCAGTACATTGGGCCCCATTCCGGGCCCCAACCTACACTAGAGTTCTTGGCTCCCCGCTGAAGGAA
ACCCCTGGTCTGGTAAGCTCTCCACGATTTCCCAGCACCCAGCTTCGGTTCCTAAGGAGATCCCAT
CCACGAGCGAGGACGTCCCAACGCCAACAGAATCTTGATCCGTGTGATGTAAGTGGCCTCTGAAGCTA
TGGCTTCGGTACATTATACTGAAAAGGACCCTGGAGCATCAATCCCAAACCTTCTGGAGTTTGAGGAG
GAAAGAGCTACCCAGTTACAGGGGAGTTGAAGTGTTTGTGGATGGGAAGCTGATCCATTCCAAGAAGA
AAGGTGATGGCTTTGTGGATGAGTCCGGTCTGAAGAACTTGTGGTGCTATTGACGAAGAGATCAAGAA
GAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_175033
Insert Size:	987 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_175033.3, NP_778198.2</u>
RefSeq Size:	1225 bp
RefSeq ORF:	987 bp
Locus ID:	280621
Cytogenetics:	7 A3
Gene Summary:	This gene encodes a selenoprotein containing a selenocysteine (Sec) residue, which is encoded by the UGA codon that normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, the Sec insertion sequence (SECIS) element, which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. This protein is specifically expressed in the testis. It belongs to the SelWTH family, which possesses a thioredoxin-like fold and a conserved CxxU (C is cysteine, U is Sec) motif, suggesting a redox function for this gene. [provided by RefSeq, Apr 2017]