

# Product datasheet for RC205490

## SELT (SELENOT) (NM\_016275) Human Tagged ORF Clone

### **Product data:**

### **Product Type: Expression Plasmids Product Name:** SELT (SELENOT) (NM\_016275) Human Tagged ORF Clone Symbol: SELT Synonyms: SELT Mammalian Cell Neomycin Selection: pCMV6-Entry (PS100001) Vector: E. coli Selection: Kanamycin (25 ug/mL) >RC205490 ORF sequence **ORF** Nucleotide Red=Cloning site Blue=ORF Green=Tags(s) Sequence: TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC **GCCGCGATCGCC** ATGAGGCTTCTGCTGCTTCTCCTAGTGGCGGCGTCTGCGATGGTCCGGAGCGAGGCCTCGGCCAATCTGG GCGGCGTGCCCAGCAAGAGATTAAAGATGCAGTACGCCACGGGGCCGCTGCTCAAGTTCCAGATTTGTGT TTCCTGAGGTTATAGGCGGGTGTTTGAGGAGTACATGCGGGTTATTAGCCAGCGGTACCCAGACATCCGC ATTGAAGGAGAGAATTACCTCCCTCAACCAATATATAGACACATAGCATCTTTCCTGTCAGTCTTCAAAC CTGGCAGTGGGGCCAAGAAAATAAGGTTTATGCATGTATGATGGTTTTCTTCTTGAGCAACATGATTGAG AACCAGTGTATGTCAACAGGTGCATTTGAGATAACTTTAAATGATGTACCTGTGTGGTCTAAGCTGGAAT CTGGTCACCTTCCATCCATGCAACAACTTGTTCAAAATTCTTGACAATGAAATGAAGCTCAATGTGCATAT **GGATTCAATCCCACACCATCGATCA** ACGCGT ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA >RC205490 protein sequence **Protein Sequence:** Red=Cloning site Green=Tags(s) MRLLLLLLVAASAMVRSEASANLGGVPSKRLKMQYATGPLLKFQICVS\*GYRRVFEEYMRVISQRYPDIR IEGENYLPQPIYRHIASFLSVFKLVLIGLIIVGKDPFAFFGMQAPSIWQWGQENKVYACMMVFFLSNMIE NQCMSTGAFEITLNDVPVWSKLESGHLPSMQQLVQILDNEMKLNVHMDSIPHHRS TRTRPLEQKLISEEDLAANDILDYKDDDDKV Chromatograms: https://cdn.origene.com/chromatograms/mk6023 a04.zip

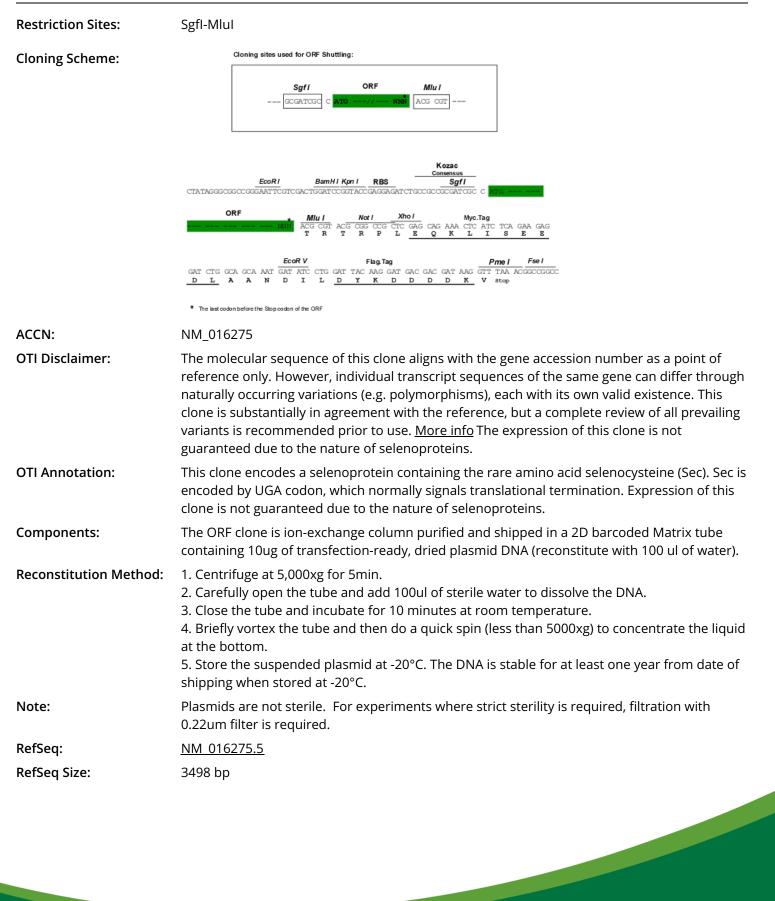
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### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

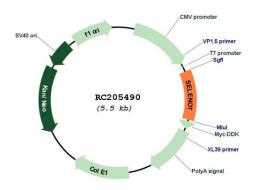
## SELT (SELENOT) (NM\_016275) Human Tagged ORF Clone – RC205490



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	SELT (SELENOT) (NM_016275) Human Tagged ORF Clone – RC205490
RefSeq ORF:	588 bp
Locus ID:	51714
UniProt ID:	<u>P62341</u>
Cytogenetics:	3q25.1
Gene Summary:	This gene encodes a selenoprotein, containing a selenocysteine (Sec) residue at the active site. Sec 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, that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. This protein is localized in the endoplasmic reticulum. It belongs to the SelWTH family that possesses a thioredoxin-like fold and a conserved CxxU (C is cysteine, U is Sec) motif found in several redox active proteins. Studies in mice indicate a crucial role for this gene in the protection of dopaminergic neurons against oxidative stress in Parkinson's disease, and in the control of glucose homeostasis in pancreatic beta-cells. Pseudogenes of this locus have been identified on chromosomes 9 and 5. [provided by RefSeq, Sep 2017]

# Product images:



Circular map for RC205490

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