

Product datasheet for **MG205267**

Scrt1 (BC057562) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scrt1 (BC057562) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scrt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205267 representing BC057562 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGGTCCTTCCTGGTTAAGAAGGTCAAACCTTGACACATTCTTCGGCAGACCTCGACAGCTCCT
 ACGGGCGCGCCCGCAGCGATCTCGGAGTGCGACTGCAAGATAAAGGATACCTCAGTGACTACGTGGGGCC
 TGCGTCGGTCTACGATGGCGACGCTGAGGCGGCGTTGCTCAAAGGGCCATCCCCGGAGCCTATGTATGCT
 GCGGCTGTGCGGGGAGAGCTGGGTCCCGCGGCTCTGGCTCAGCACCGCCGCCACCCCTCGCCAGAGC
 TGGCTACTGCTGCTGGCGGTACATCAACGGCGACGCGCGGTACGCGAAGGCTACGCGGCCGACGCTT
 CTTCACTACTGACGGGCGCTCACGCCGTAAGGCTGCTAATGCCAACGCTGCCGCGGCCCTCGACAGCC
 TCGGTGGCAGCCCCGACAGCGACGCTGGAGGTGGGGCGGGCCGGGCACGCGAGGCTCTGGATCAGGGT
 CCGCTAGTCGGGGCGGCACGCGCGTGGGGCGGGCACCGAGGCGCGTGGGGGTGGGAGCCACGGGCGC
 TGGTGGCCGGCACGCGTGGGAGAGTGTGGCAAACTTACGCCACGTCGTGAACCTGAGCCGCCACAAG
 CAAACGCACCGCAGCTTGGACAGCCAGCTGGCAAGGCGTTGCCAACGTGTGGCAAGGTGTACGTGTCCA
 TGCCGGCCATGGCTATGCACCTGCTCACGCACGATCTGCGCCACAAGTGGCGGTGTGCGGCAAGCCTT
 CTCCCGCCCTGGCTGCTGCAGGGCCATATGCGCTCGCACGGGCGAGAAACCTTCGGCTGTGCGCAC
 TGCGGCAAGGCCTTTGCAGACCGCTCCAACCTGCGCGCGCACATGCAGACGCACTCCGCCTCAAGCACT
 TCCAGTGCAAGCGCTGCAAGAAGAGCTTCGCGCTCAAGTCTTATCTCAACAAGCACTACGAGTCAGCCTG
 CTTCAAGGGCGGCGCTAGCGGCCCGCAACCCCTGCGCCGCCGACGTCAGCCCGGTTCAAGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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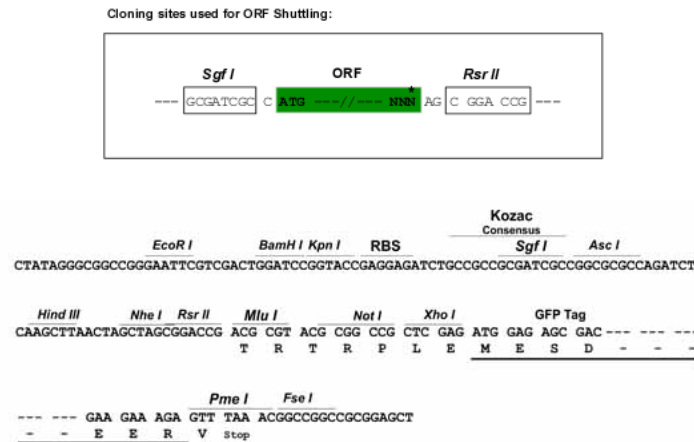
Protein Sequence: >MG205267 representing BC057562
 Red=Cloning site Green=Tags(s)

MPRSFLVKVKLDTFSSADLDSSYGRARSDLGVRQLQDKGYLSDYVGPASVYDGDAAEALLKGPSPEPMYA
 AAVRGELGPAASGSAPPPTPRPELATAAGGYINGDAAVSEGYAADAFFITDGRSRRKAANANAAAPSTA
 SVAAPDSADAGGGGPGTRGSGSGASRGGTRVGAGTEARAGSGATGAGGRHACGECGKTYATSSNLSRHK
 QTHRSLDSQLARRCPTCGKVYVSMAMPAMHLLTHDLRHKCGVCGKAFSRPWLQGHMRSHTGEKPFGCAH
 CGKAFADRSNLRAHMQTHSAFKHFQCKRCKSFALKSYLNKHYESACFKGGASGPATPAPPQLSPVQA

SGP^{TRTR}LE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: BC057562

ORF Size: 1044 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC057562](#), [AAH57562](#)

RefSeq Size: 3498 bp

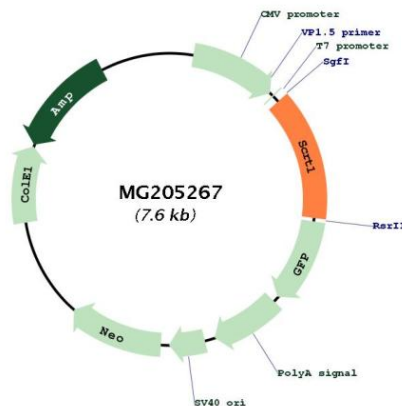
RefSeq ORF: 1046 bp

Locus ID: 170729

Cytogenetics: 15 D3

Gene Summary: Transcriptional repressor that binds E-box motif CAGGTG (By similarity). Appears to function downstream of proneural bHLH proteins in promoting neural differentiation.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205267