

Product datasheet for **MG206890**

Scly (NM_016717) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scly (NM_016717) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scly
Synonyms:	9830169H08; A930015N15Rik; SCL; Scly1; Scly2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206890 representing NM_016717 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCGCGCGAAATGGCGCGCTGGGCAGTGTGGAGAGCCTACCCGACAGGAAGGTCTATATGGACT
ATAATGCCACCACACCTCTAGAGCCCGAAGTCATCCAGGCTGTGACAGAGGCCATGAAGGAAGCCTGGGG
AAACCCAGCAGCTCCTATGTGTCAGGTAGGAAGGCCAAGGACATTATAAATGCAGCTCGAGCGAGCCTG
GCCAAGATGATAGGTGAAAGCCCCAGGACATCATCTTCACTTCTGGGGCACCAGTCAAATAATTTAG
TAATCCACTCTATGGTAAGATGCTTCCATGAACAGCAGACCCTGAAGGGGAACATGGTTGACCAGCACAG
CCCAGAAGAGGGGACCAGGCCCATTTTATCACTTGCACAGTGAACACGACTCCATCCGGCTGCCCTG
GAGCACCTGGTGGAAAATCAAATGGCAGAGGTCACCTTTTGTCCCAGTGTGGAAGGTGAATGGGCAGGCAG
AGGTCGAGGATATCCTGGCGGCTGTCCGTCCCACCACATGCCTTGTGACCATCATGCTGGCCAATAATGA
GACCGGCGTCATCATGCCTGTCTCCGAGATCAGTCGGCGAATTAAGCCCTGAACCAGATCCGGGCTGCC
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AAGACCTGGGCGTGGACTTCTGACCATCGTGGACATAAGTTCTACGGCCCCAGGATCGGTGCTCTGTA
TGTACGAGGGGTGGTAACTTACCCCCCTGTACCCCATGCTGTTTGGAGGTGGACAAGAGCGGAATTTCT
AGGCCAGGGACCGAGAACACGCCCATGATTGCTGGCCTTGGGAAGGCTGCTGATCTGGTGAAGGAGAACT
GCGAGACTTATGAGGCCACATGAGAGACATCCGAGATTACCTGGAGGAGAGGCTGGAGGCTGAGTTTGG
TAAGAGAATCCATTTGAACAGCCGGTTTCCAGGAGTGGAGAGGCTTCAAACACCTGCAACTTTTCCATC
CAGGGGTCCCAGCTTCAAGGGTACACGGTCTTGCACAGTGCCGGACACTGCTGGCCAGTGTGGAGCAT
CATGCCACTCAAATCACGAGGACCGCCATCCCCAGTGTGCTGAGCTGCGGCATTCTGTGGACGTGGC
CCGGAATGCGGTCCGGCTCAGCGTGGGCCGCGTACCACCAGGGCTGATGTGGATCTCATCGTACAGGAC
CTGAAGCAGGCCGTGGCCCAACTGGAAGGGCGGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206890 representing NM_016717
Red=Cloning site Green=Tags(s)

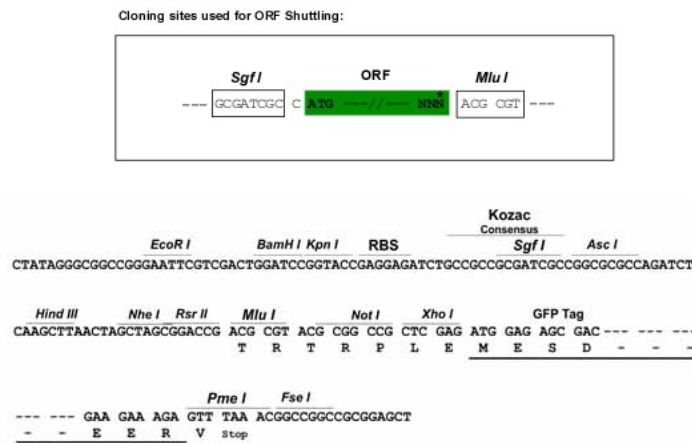
MDAARNGALGSVESLPDRKVYMDYNATTPLEPEVIQAVTEAMKEAWGNPSSSYVSGRKAKDIINAARASL
 AKMIGGKPDIIIFTSGGTESNNLVIHSMVRCFHEQOTLKGNMVDQHSPEEGTRPHFITCTVEHDSIRLPL
 EHLVENQMAEVTFVPVSKVNGQAEVEDILAAVRPTTCLVTIMLANNETGVIMPVSEISRRIKALNQIRAA
 SGLPRVLVHTDAAQALGKRKRRVDVLDGVDFLTIVGHKFGYGPRI GALYVRGVGKLTPLYPMLFGGGQERNF
 RPGTENTPMIAGLGKAADLVSENCETYEAHMRDIRDYLEERLEAEFGKRIHLNSRFPGVERLPNTCNFSI
 QGSQQLQGYTVLAQCRTLLASV GASCHSNHEDRPSVLLSCGIPVDVARNVRLSVGRGTTTRADVLDLIVQD
 LKQAVAQLEGLR

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2496_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016717

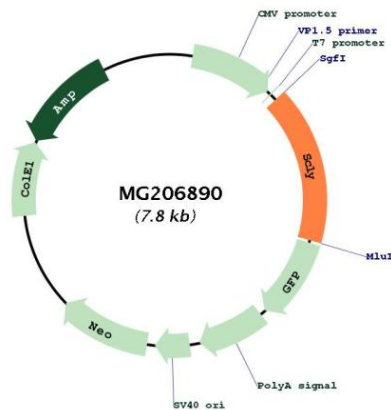
ORF Size: 1296 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_016717.3, NP_057926.2</u>
RefSeq Size:	2207 bp
RefSeq ORF:	1299 bp
Locus ID:	50880
UniProt ID:	<u>Q9JLI6</u>
Cytogenetics:	1 D
Gene Summary:	Catalyzes the decomposition of L-selenocysteine to L-alanine and elemental selenium. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206890