

Product datasheet for **MR206890**

Scly (NM_016717) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scly (NM_016717) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scly
Synonyms:	9830169H08; A930015N15Rik; SCL; Scly1; Scly2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206890 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACGCGGCGGAAATGGCGCGCTGGGCAGTGTGGAGAGCCTACCCGACAGGAAGGTCTATATGGACT
 ATAATGCCACCACACTCTAGAGCCGAAGTCATCCAGGCTGTGACAGAGGCCATGAAGGAAGCCTGGGG
 AAACCCAGCAGCTCCTATGTGTAGGTAGGAAGGCAAGGACATTATAAATGCAGCTCGAGCGAGCCTG
 GCCAAGATGATAGGTGAAAGCCCGAGGACATCATCTTCACTTCTGGGGCACCAGTCAAATAATTTAG
 TAATCCACTCTATGGTAAGATGCTTCCATGAACAGCAGACCCTGAAGGGGAACATGGTTGACCAGCACAG
 CCCAGAAGAGGGGACCAGGCCCATTTTATCACTTGCACAGTGGAAACACGACTCCATCCGGCTGCCCTG
 GAGCACCTGGTGGAAAATCAAATGGCAGAGGTCACTTTTGTCCAGTGTGGAAGGTGAATGGCAGGCAG
 AGGTCGAGGATATCCTGGCGGCTGTCCGCCCACCACATGCCTTGTGACCATCATGCTGGCCAATAATGA
 GACCGGCGTCATCATGCCTGTCTCCGAGATCAGTCGGCGAATTAAGCCCTGAACCAGATCCGGGCTGCC
 TCGGGGCTGCCCGAGTCTGGTGCACACAGACGCTGCTCAGGCACTGGGGAAGAGGCGAGTGGATGTCG
 AAGACCTGGGCGTGGACTTCTGACCATCGTGGGACATAAGTTCTACGGCCCAGGATCGGTGCTCTGTA
 TGTACGAGGGTTCGTAACCTTACCCCCCTGTACCCCATGCTGTTTGGAGGTGGACAAGAGCGGAATTTT
 AGGCCAGGACCGAGAACACGCCCATGATTGCTGGCCTTGGGAAGGCTGCTGATCTGGTGAAGGAGAACT
 GCGAGACTTATGAGGCCACATGAGAGACATCCGAGATTACCTGGAGGAGAGGCTGGAGGCTGAGTTTGG
 TAAGAGAATCCATTTGAACAGCCGGTTCCAGGAGTGGAGAGGCTTCAAACACCTGCAACTTTTCCATC
 CAGGGGTCAGCTTCAAGGGTACACGGTCTTGCACAGTCCCGGACACTGCTGGCCAGTGTGGGAGCAT
 CATGCCACTCAAATCACGAGGACCGCCATCCCCAGTGTCTGAGCTGCGGCATTCTGTGGACGTGGC
 CCGGAATGCGGTCGGCTCAGCGTGGCCGCGGTACCACCAGGCTGATGTGGATCTCATGTACAGGAC
 CTGAAGCAGGCCGTGGCCAACTGGAAGGGCGGCTC

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206890 protein sequence
 Red=Cloning site Green=Tags(s)

MDAARNGALGSVESLPDRKVYMDYNATTPLEPEVIQAVTEAMKEAWGNPSSSYVSGRKAKDIINAARASL
 AKMIGGKPDIIIFTSGGTESNNLVIHSMVRCFHEQTLKGNMVDQHSPEEGTRPHFITCTVEHDSIRLPL
 EHLVENQMAEVTFFVPVSKVNGQAEVEDILAAVRPTTCLVTIMLANNETGVIMPVSEISRRIKALNQIRAA
 SGLPRVLVHTDAAQALGKRRVDVEDLGVDFLTIVGHKFGPRIGALYVRGVGKLTPLYPMLFGGGQERNF
 RPGTENTPMIAGLGAADLVSENCETYEAHMRDIRDYLEERLEAEFGKRIHLNSRFPGVERLPNTCNFSI
 QGSQQLQGYTVLAQCRTLLASVGASCHSNHEDRSPVLLSCGIPVDVARNVRLSVGRGTTTRADVLDIVQD
 LKQAVAQLEGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_016717

ORF Size: 1299 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.

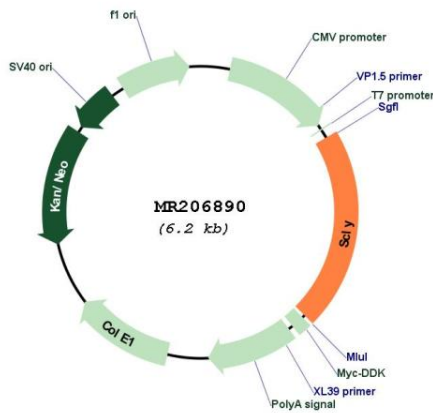
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
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_016717.1](#), [NM_016717.2](#), [NM_016717.3](#), [NP_057926.2](#)

RefSeq Size:	2207 bp
RefSeq ORF:	1299 bp
Locus ID:	50880
UniProt ID:	Q9JLI6
Cytogenetics:	1 D
MW:	47.2 kDa
Gene Summary:	Catalyzes the decomposition of L-selenocysteine to L-alanine and elemental selenium. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206890