

Product datasheet for **MG222444**

Syce1l (NM_001048145) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syce1l (NM_001048145) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Syce1l
Synonyms: 4930481F22Rik; MMRP; mmrp2; PSESS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222444 representing NM_001048145
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCGGAGCTGGAGCCTTTGATGGCGGAGTGGCTGGGAGCTGAGAAAGCTGAAGACACCCGAGGGC
AGGCCGCATCTCTGAATACGATGGAAGACTTGCTGGAGACAGTAAAAAGCTACAGAAAGAGGGAAGCCT
GGAGCCCCAGATTGAGGACCTGATCCACCGCATTAAAGAGCTGCAGCAAGGTCCAGCAAAGAAGAGATCC
AGTGAGGAGCTGGGAGAGGCTCAAGCACTCCAGGAAGCCATGCACAGGAACTAGACTCCTTAAATGAAG
AGAGAGTGCACCTAGAGGAGGCTCCTGCGCAAAAAGCAAGAGGCTGTGTCAATTCTCAAGAAGCATCCCCA
AGAGAGAGACAGTGACACTCCACACTTGGATGCTCAACAAGTGGAGGAGAGGCTGGCGGATCTGGCAAGG
CAACACAAGGACCTCTGGGAGTTCCATGTCTGTCAGCAGCGACTGGCCCAGGAGATCAGCAGATGGAGC
ACAGGAAAGATCAGCTTCTTGCAGAGAGGACTCTGCTGCGAGCCAGGCTGGAGAAGGTGGAGCAGCGGCT
GCAGGAGGCCAGAGAGACCTGGGACAGCCAGGAACTGTGGGCTGAAGACAGAGCTGGAGGAATTGGAG
GGCAGTCCCAGCGCAGCCAGAAGCTCAGAATGATAAAGGGGAGGCTAGCCAAGAGGAACAGCATCATT
TGGAGACATCAGAAGAGTTGCCAAGGACAGGAACGCTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222444 representing NM_001048145
Red=Cloning site Green=Tags(s)

MAAELEPLMAEWLGAEKAE DTRGQAASLNTMEDLLETVKKLQKEGSLPQIEDLIHRINELQQGPAKKRS
 SEELGEAQLQEAMHRELDLSLNEERVHLEEVLRKKQEA VSI LKKHPQERDS DTPHLDAQLEERLADLAR
 QHKDLWEFHV LQQRLAQEISTMEHRKDQLLAERTLLRARLEKVEQRLQEARETWDS PGNGCGLKTELEEE
 GQSQRSP EAQNDKGEASQEEQHLETSEELPRTGTLC

TRTRPLE - GFP Tag - V

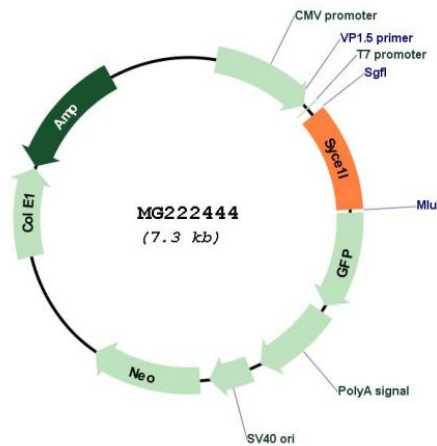
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001048145

ORF Size: 741 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:	<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:	NM_001048145.1 , NP_001041610.1
RefSeq Size:	837 bp
RefSeq ORF:	744 bp
Locus ID:	668110
UniProt ID:	Q5D525
Cytogenetics:	8 E1
Gene Summary:	May be involved in meiosis. Isoform 1 may be involved in meiosis during spermatogenesis while isoform 2 is probably related to a later stage of meiosis, in the development stage of secondary spermatocytes and spermatids.[UniProtKB/Swiss-Prot Function]