

## Product datasheet for MR222442

### Syce1l (NM\_029139) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syce1l (NM_029139) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syce1l
Synonyms:	4930481F22Rik; MMRP; mmp2; PSESS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR222442 representing NM_029139 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGCTGCGGAGCTGGAGCCTTTGATGGCGGAGTGGCTGGGAGCTGAGAAAGCTGAAGACACCCGAGGGC  
AGGCCGCATCTCTGAATACGATGGAAGACTTGCTGGAGACAGTAAAAAGCTACAGAAAGAGGGAAGCCT  
GGAGCCCCAGATTGAGGACCTGATCCACCGCATTAAATGAGCTGCAGCAAGGTCCAGCAAAGAAGAGATCC  
AGTGAGGAGCTGGGAGAGGCTCAAGCACTCCAGGAAGCCATGCACAGGGAAGTACTCCTTAAATGAAG  
AGAGAGTGCACCTAGAGGAGTCTGCGCAAAAAGCAAGAGGCTGTGTCATTCTCAAGAAGCATCCCCA  
AGAGAGAGACAGTGACACTCCACAGAAGTGTACAGTCCAGTTCTCAGGATTGAGACCAAAGAAGCTGGGG  
TTGCTTCTAAGTTTGCAGCTTGGATGCTCAACAACTGGAGGAGAGGCTGGCGGATCTGGCAAGGCAACAC  
AAGGACCTCTGGGAGTTCCATGTCCTGCAGCAGCGACTGGCCAGGAGATCAGCACGATGGAGCACAGGA  
AAGATCAGCTTCTGCAGAGAGGACTCTGCTGCGAGCCAGGCTGGAGAAGGTGGAGCAGCGGCTGCAGGA  
GGCCAGAGAGACCTGGGACAGCCAGGGAAGTGGGCTGAAGACAGAGCTGGAGGAATTGGAGGGGCGAG  
TCCCAGCGCAGCCAGAAGCTCAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222442 representing NM\_029139  
Red=Cloning site Green=Tags(s)

MAAELEPLMAEWLGAEKAEDTRGQAASLNTMEDLLETVKKLQKEGSLPQIEDLIHRINELQQGPAKKRS  
 SEELGEAQLQEAMHRELDLNEERVHLEEVLRKKQEA VSI LKKHPQERDSDTPQKCTVQFSGFRPKKLG  
 LLLSLQLGCSTTGGGAGSGKATQGPLGVPCAAATGPGDQHDGAQERSASCRESAASQAGEGAAAAAG  
 GQRDLGQPRELWAEDRAGGIGGAVPAQPRSSSE

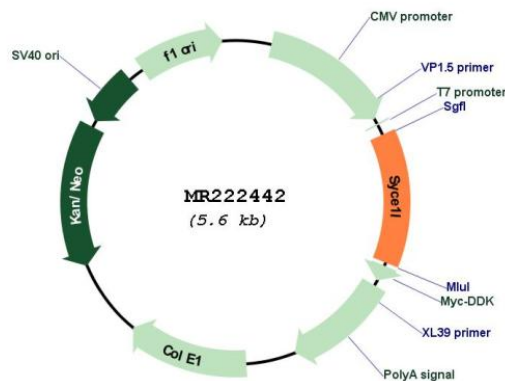
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_029139  
**ORF Size:** 726 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_029139.1</a> , <a href="#">NP_083415.1</a>
<b>RefSeq Size:</b>	901 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	668110
<b>UniProt ID:</b>	<a href="#">Q5D525</a>
<b>Cytogenetics:</b>	8 E1
<b>MW:</b>	26.1 kDa
<b>Gene Summary:</b>	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]