

## Product datasheet for **RG225306**

### **SYCE1L (NM\_001129979) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SYCE1L (NM_001129979) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SYCE1L
Synonyms:	MRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225306 representing NM_001129979 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGGGAAGCTGAAACCTCTGAATGTGGAGGCGCCAGAAGCTACTGAGGAGGCTGAAGGGCAAGCCA  
AGTCTTTGAAGACTGAAGACTTGCTGGCAATGGTGATAAAGCTGCAGAAAGAGGGGAAGCCTGGAGCCACA  
GATAGAGGACCTGATTAGCCGGATTAATGATCTTCAGCAAGCAAAGAAGAAATCCAGTGAGGAAGTGA  
GAGACCCACAGTCTCTGGGAGGCCCTGCATAGGGAATTAGACTCCTTGAATGGAGAGAAAGTGCACCTAG  
AGGAGGTCTTGGCAAAAAGCAAGAGGCACTGAGGATCCTCCAGATGCACTGCCAAGAGAAGGAAAGCGA  
GGCTCAGAGGTTGGATGTCAAGAGACAGCTGGAGGATCTGATGGGCCAGCACAAGGACCTCTGGGAATTC  
CACATGCTGGAGCAGCGACTGGCCCGGGAGATCCGTGCCCTGGAGAGAAGCAAGGAGCAGCTGCTCTCGG  
AGAGGAGGCTGGTGCGCGCAAGCTGCGGGAGGTGGAGCGCGGCTGCACTCGCCGCTGAGGTCGAGGG  
CGCCATGGCGGTGAATGACGGGCTGAAGGCGGAGCTGGAGATATTCGGGGAGCAGGTCGGAGCGCCCC  
GAGGTCGGGGCCGGCGAGGGAGAGGCGGACCTGAGCTCCCCCGCTCGCGACGAGGAGGATCCCGAGC  
CGCCGGTGGCTGCCCTGACGCCCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225306 representing NM\_001129979  
Red=Cloning site Green=Tags(s)

MAGK LKPLNVEAPEATEEAEGQAKSLKTEDLLAMVIKLQKEGSLEPQIEDLISRINDLQQAKKSSEELR  
 ETHSLWEALHRELDNLNGEKVHLEEVLGKKQALRILQMHCQEKESEAQRLDVRGQLEDLMGQHKDLWEF  
 HMLEQRLAREIRALERSKEQLL SERRLVRACLREVERRLHSPPEVEGAMAVNDGLKAELEIFGEQVRSAP  
 EVGAGEGEAGPELPRARDEEDPEPPVAAPDAL

TRTRPLE - GFP Tag - V

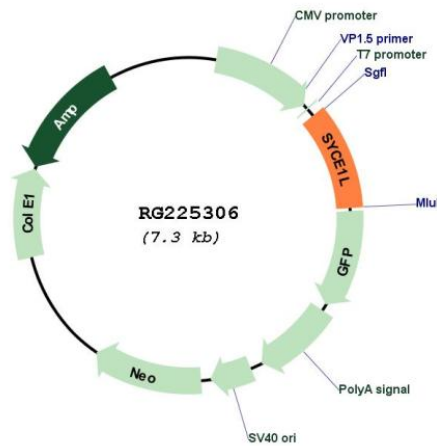
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001129979

**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_001129979.3</a>
<b>RefSeq Size:</b>	877 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	100130958
<b>UniProt ID:</b>	<a href="#">A8MT33</a>
<b>Cytogenetics:</b>	16q23.1
<b>Gene Summary:</b>	May be involved in meiosis.[UniProtKB/Swiss-Prot Function]