

Product datasheet for **RG225261**

SYCE2 (NM_001105578) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYCE2 (NM_001105578) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SYCE2
Synonyms:	CESC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225261 representing NM_001105578 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGACAGGGAGTGGACGTGCCCCATGTGAAATGCAAAGACCAGGAACCGCAGCCCTTGGGGGAGA
GCAAGGAGCATCCGCGGTGGGAAGAGAAGTGGAGGAGGAAGCTGGTGGAGGGCCAGCTAGTGCCAGTTG
CCAGCTGACGGTCTGGAAGGGAAGTCGGGACTCTACTTCTCTCTCTGGACTCAAGCATTGACATCCTG
CAGAAGAGAGCCCAGGAGCTGATCGAAAACATCAACAAGAGCCGGCAAAGGACCATGCACTCATGACCA
ACTTCAGGAACAGCCTGAAGACCAAGGTTTCGGATCTGACAGAGAAATTAGAGGAGAGGATCTATCAGAT
TTATAATGACCACAACAAGATCATCCAGGAAAAGCTCCAAGAGTTCACCCAGAAAATGGCAAAGATCAGC
CATTTGGAGACAGAGCTCAAACAAGTCTGCCACAGCGTGGAGACTGTGTACAAAGACCTGTGTCTCCAGC
CTGAGCAGAGCCTAAGACTCAGATGGGGGCCAGACCCTCTAGGGGAAAGTCCCCACCACGTCCCGGCAA
CTCACAGCCCCAGACGTGTTTCGTTTCTGTGGCTGAAACTACTTCTCAGGCCACTGCTTCAGAAGTA
CAGACCAACAGAGATGGTGAATGC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225261 representing NM_001105578
Red=Cloning site Green=Tags(s)

MERQGVDPVPHVKCKDQEPQPLGESKEHPRWEENCEEEAAGGPASASCQLTVLEKSGLYFSSLDSSIDIL
 QKRAQELIENINKSRQKDHALMTNFRNSLKTkVSDLTEKLEERIYQIYNDHNKIIQEKLQEFtQkMAKIS
 HLETELKQVCHSVETVYKDLCLQPEQSLRLRWGPDHSRGKSPPRPGNSQPPDVFVSSVAETTSQATASEV
 QTNRDGEC

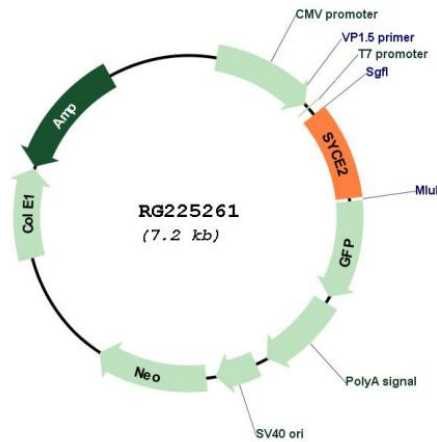
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105578

ORF Size: 654 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_001105578.2
RefSeq Size:	946 bp
RefSeq ORF:	657 bp
Locus ID:	256126
UniProt ID:	Q6PIF2
Cytogenetics:	19p13.13
Gene Summary:	The protein encoded by this gene is part of the synaptonemal complex formed between homologous chromosomes during meiotic prophase. The encoded protein associates with SYCP1 and SYCE1 and is found only where chromosome cores are synapsed. [provided by RefSeq, Dec 2012]