

Product datasheet for SC317040

SYCE2 (NM_001105578) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYCE2 (NM_001105578) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYCE2
Synonyms:	CESC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317040 representing NM_001105578. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCGACAGGGAGTGGACGTGCCCCATGTGAAATGCAAAGACCAGGAACCGCAGCCCTTGGGGAG
AGCAAGGAGCATCCGCGGTGGGAAGAGAACTGCGAGGAGGAAGCTGGTGGAGGGCCAGCTAGTGCCAGT
TGCCAGCTGACGGTCTGGAAGGGAAGTCGGGACTCTACTTCTCCTCTCTGGACTCAAGCATTGACATC
CTGCAGAAGAGAGCCAGGAGCTGATCGAAAACATCAACAAGAGCCGGCAAAGGACCATGCACTCATG
ACCAACTTCAGGAACAGCCTGAAGACCAAGGTTTCGGATCTGACAGAGAAATTAGAGGAGAGGATCTAT
CAGATTTATAATGACCACAACAAGATCATCCAGGAAAAGCTCCAAGAGTTCACCCAGAAAATGGCAAAG
ATCAGCCATTTGGAGACAGAGCTCAAACAAGTCTGCCACAGCGTGGAGACTGTGTACAAAGACCTGTGT
CTCCAGCCTGAGCAGAGCCTAAGACTCAGATGGGGCCAGACCACTCTAGGGGAAAGTCCCCACCACGT
CCCGGCAACTCACAGCCCCAGACGTGTTCTGTTTCTTCTGTGGCTGAAACTACTTCTCAGGCCACTGCT
TCAGAAGTACAGACCAACAGAGATGGTGAATGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001105578
Insert Size:	657 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001105578.1</u>
RefSeq Size:	946 bp
RefSeq ORF:	657 bp
Locus ID:	256126
UniProt ID:	<u>Q6PIF2</u>
Cytogenetics:	19p13.13
MW:	24.7 kDa
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]