

## Product datasheet for MC207123

### Syce2 (NM\_001168244) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Syce2 (NM\_001168244) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Syce2  
**Synonyms:** 1700013H19Rik; AA407907; Cesc1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207123 representing NM\_001168244  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACCAACTTCAGGGACAGCCTCAAGATGAAGGTCTCAGATCTGACAGAAAAGTTGGAGGAGAGGATGT  
ACCAGGTGTACAGCCACCACAGCAAAATCATTGAGAAAGACTACAAGAATTTACCCAGAAGATGGCAAA  
GATCAACCATCTGAAATGGAGCTTAAACAAGTCTGCCAAACTGTGAAACGGTGTACAAGGACCTATGT  
GTCCAGTCTGAGGTTCCCACTTGCAGAAGACAGAATTACAAAGATGGTGAATGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001168244  
**Insert Size:** 267 bp

**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).

**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).



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**Reconstitution Method:**

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\\_001168244.1](#), [NP\\_001161716.1](#)

**RefSeq Size:** 1230 bp

**RefSeq ORF:** 267 bp

**Locus ID:** 71846

**UniProt ID:** [Q505B8](#)

**Cytogenetics:** 8 C3

**Gene Summary:** Major component of the transverse central element of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase. Requires SYCP1 in order to be incorporated into the central element. May have a role in the synaptonemal complex assembly, stabilization and recombination.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.