

Product datasheet for **MC211230**

Syce2 (NM_001168246) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syce2 (NM_001168246) 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: >MC211230 representing NM_001168246
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGCCACGGAAGCTGGTGGCTGCGCTCGCAGGTGGCCGCGCCTCCCGTGGAGTTAAAGGACCAGGAGC
CGCCGGCGATTGTGGAGAGCGGAGAGCATCGGCAGAGTGAGAACCACGAGGAGACGCCCGGCTCAGTGGC
CCCGAGTGCCAGTTGCCAGCTGCCAGGACCCCTTCTCTCTGGACTCTAGCATTGAAACCTGAAGAAG
AAAGCCCAGGAACTGATTGAAAACATCAATGAAAGCAGGCAGAAGACCATGCACCTATGACCAACTTCA
GGGACAGCCTCAAGATGAAGTCTCAGATCTGACAGAAAAGTTGGAGGAGAGGATGTACCAGGTGTACAG
CCACCACAGCAAAATCATTGAGAAAGACTACAAGAATTTACCCAGAAGATGGCAAAGATCAACCATCTG
GAAATGGAGCTTAAACAAGTCTGCCAACTGTGGAAACGGGTACAAGGACCTATGTGTCCAGTCTGAGG
TTCCCCTTGGCAAGAACAGAATTACAAGATGGTGAATGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001168246
Insert Size: 534 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).



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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_001168246.1, NP_001161718.1</u>
RefSeq Size:	929 bp
RefSeq ORF:	534 bp
Locus ID:	71846
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 (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.