

Product datasheet for **MC211634**

Syce3 (NM_001162882) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syce3 (NM_001162882) Mouse Untagged Clone
Tag: Tag Free
Symbol: Syce3
Synonyms: 1700007E06Rik; TSEG-2; TSEG2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211634 representing NM_001162882
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGATTCCGATCCTGGGAAAGAAGCTATGATAACATGCTGAAAATGCTGTCTGACCTGAACAAGG
ACCTGGAAAAGCTATTGGAAGAGATGGAAAAATCTCAGTGCAGGCAACCTGGATGGCCTATGATATGGT
GGTCATGCGTACGAACCCACACTAGCAGAGTCCATGCGCCGGCTAGAAGACGCCTTCCTCAACTGCAAA
GAGGAGATGGAGAAGAACTGGCAAGAGCTGCTCACTGAGACCAAGCGCAAGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001162882
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_001162882.1](#), [NP_001156354.1](#)

RefSeq Size: 478 bp

RefSeq ORF: 267 bp

Locus ID: 75459

UniProt ID: [B5KM66](#)

Cytogenetics: 15 E3

Gene Summary: Major component of the transverse central element of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase. Required for chromosome loading of the central element-specific SCS proteins, and for initiating synapsis between homologous chromosomes. Chromosome loading appears to require SYCP1. Required for fertility. May play a role in apoptosis of spermatogenic cells and pathogenesis of cryptorchidism.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants encode the same protein.