

Product datasheet for **MR214974**

Syce2 (NM_027954) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syce2 (NM_027954) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Syce2
Synonyms: 1700013H19Rik; AA407907; Cesc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR214974 representing NM_027954
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGCCACGGAGTGGCCGCGCTCCCGTGGAGTTAAAGGACCAGGAGCCGCCGCGATTGTGGAGA
GCGGAGAGCATCGGCAGAGTGAGAACCACGAGGAGACGCCCGGCTCAGTGGCCCCGAGTGCCAGTTGCCA
GCTGCCAGGACCTTCTCCTCTCTGGACTCTAGCATTGAAACCCGAAGAAGAAAGCCAGGAAGTATT
GAAAACATCAATGAAAGCAGGCAGAAGGACCATGCACTTATGACCAACTCAGGGACAGCCTCAAGATGA
AGGTCTCAGATCTGACAGAAAAGTTGGAGGAGAGGATGTACCAGGTGTACAGCCACCACAGCAAAATCAT
TCAGGAAAGACTACAAGAATTTACCCAGAAGATGGCAAAGATCAACCATCTGAAATGGAGCTTAAACAA
GTCTGCCAAACTGTGAAACGGTGTACAAGGACCTATGTGTCCAGTCTGAGGTTCCCACTTGCGAAGAAC
AGAATTACAAAGATGGTGAATGC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214974 representing NM_027954
Red=Cloning site Green=Tags(s)

MERHGVAAPPVELKDQEPPIAVESGEHRQSENHEETPGSVAPSASCQLPGPFSSLDSSIETLKKKAQELI
ENINESRQKDHALMTNFRDSLKMKVSDLTEKLEERMYQVYSHHSKIIQERLQEFQTKMAKINHLEMELKQ
VCQTVETVYKDLCVQSEVPTCEEQNYKDGEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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_027954.3</u> , <u>NP_082230.2</u> |
| RefSeq Size: | 911 bp |
| RefSeq ORF: | 516 bp |
| Locus ID: | 71846 |
| UniProt ID: | <u>Q505B8</u> |
| Cytogenetics: | 8 C3 |
| MW: | 20 kDa |
| 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] |