

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 >MR214974 representing NM_027954

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AGAATTACAAAGATGGTGAATGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214974 representing NM_027954

Red=Cloning site Green=Tags(s)

MERHGVAAPPVELKDQEPPAIVESGEHRQSENHEETPGSVAPSASCQLPGPFSSLDSSIETLKKKAQELI ENINESROKDHALMTNFRDSLKMKVSDLTEKLEERMYQVYSHHSKIIQERLQEFTQKMAKINHLEMELKQ

VCQTVETVYKDLCVQSEVPTCEEQNYKDGEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

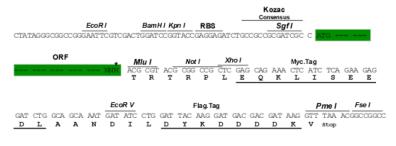
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



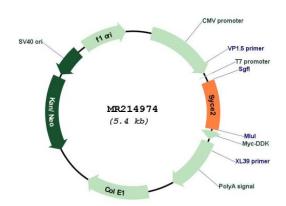
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_027954

ORF Size: 513 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.



MW:

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: 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>

20 kDa

RefSeq Size: 911 bp
RefSeq ORF: 516 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]