

Product datasheet for MR201433

Syce2 (NM_001168244) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syce2 (NM_001168244) 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: >MR201433 representing NM_001168244
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGCCACGGAGTGGCCGCGCTCCCGTGGAGTTAAAGGACCAGGAGCCGCCGCGATTGTGGAGA
GCGGAGAGCATCGGCAGAGTGAGAACCACGAGGAGACGCCCGGCTCAGTGGCCCCGAGTGCCAGTTGCCA
GCTGCCAGGACCTTCTCCTCTCTGGACTCTAGCATTGAAACCTGAAGAAGAAAGCCAGGAAGTATT
GAAAACATCAATGAAAGCAGGCAGAAGGACCATGCACTTATGACCAACTCAGGGACAGCCTCAAGATGA
AGGTCTCAGATCTGACAGAAAAGTTGGAGGAGAGGATGTACCAGGTGTACAGCCACCACAGCAAAATCAT
TCAGGAAAGACTACAAGAATTTACCCAGAAGATGGCAAAGATCAACCATCTGAAATGGAGCTTAAACAA
GTCTGCCAAACTGTGAAACGGTGTACAAGGACCTATGTGTCCAGTCTGAGGTTCCCACTTGCGAAGAAC
AGAATTACAAAGATGGTGAATGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201433 representing NM_001168244
Red=Cloning site Green=Tags(s)

MERHGVAAPPVELKDQEPPIAVESGEHRQSENHEETPGSVAPSASCQLPGPFSSLDSSIETLKKKAQELI
ENINESRQKDHALMTNFRDSLKMKVSDLTEKLEERMYQVYSHHSKIIQERLQEFQTKMAKINHLEMELKQ
VCQTVETVYKDLCVQSEVPTCEEQNYKDGEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

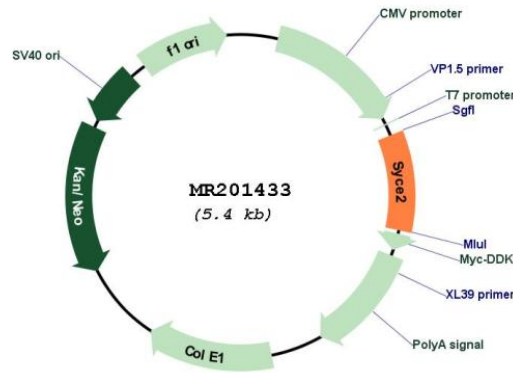
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001168244

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.

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 Size:	1230 bp
RefSeq ORF:	267 bp
Locus ID:	71846
UniProt ID:	Q505B8
Cytogenetics:	8 C3
MW:	11 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]