

Product datasheet for MC211231

Syce2 (NM_027954) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syce2 (NM_027954) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syce2
Synonyms:	1700013H19Rik; AA407907; Cesc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211231 representing NM_027954 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGCCACGGAGTGGCCGCGCCTCCCGTGGAGTTAAAGGACCAGGAGCCGCCGCGATTGTGGAGA
GCGGAGAGCATCGGCAGAGTGAGAACCACGAGGAGACGCCCGGCTCAGTGGCCCCGAGTGCCAGTTGCCA
GCTGCCAGGACCCTTCTCTCTGGACTCTAGCATTGAAACCCTGAAGAAGAAAGCCAGGAAGTATT
GAAAACATCAATGAAAGCAGGCAGAAGGACCATGCACTTATGACCAACTCAGGGACAGCCTCAAGATGA
AGGTCTCAGATCTGACAGAAAAGTTGGAGGAGAGGATGTACCAGGTGTACAGCCACCACAGCAAAATCAT
TCAGGAAAGACTACAAGAATTTACCCAGAAGATGGCAAAGATCAACCATCTGGAATGGAGCTTAACAA
GTCTGCCAAACTGTGAAACGGTGTACAAGGACCTATGTGTCCAGTCTGAGGTTCCCACTTGCGAAGAAC
AGAATTACAAAGATGGTGAATGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_027954
Insert Size:	516 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_027954.3, NP_082230.2</u>
RefSeq Size:	911 bp
RefSeq ORF:	516 bp
Locus ID:	71846
UniProt ID:	<u>Q505B8</u>
Cytogenetics:	8 C3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>