

Product datasheet for **MC226413**

Syce1I (NM_001286494) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syce1I (NM_001286494) Mouse Untagged Clone
Tag: Tag Free
Symbol: Syce1I
Synonyms: 4930481F22Rik; MMRP; mmrp2; PSESS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226413 representing NM_001286494
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCGGAGCTGGAGCCTTTGATGGCGGAGTGGCTGGGAGCTGAGAAAGCTGAAGACACCCGAGAGG
 GAAGCCTGGAGCCCCAGATTGAGGACCTGATCCACCGCATTAAATGAGCTGCAGCAAGGTCCAGCAAAGAA
 GAGATCCAGTGAGGAGCTGGGAGAGGCTCAAGCACTCCAGGAAGCCATGCACAGGGAAGTACTCCTTA
 AATGAAGAGAGAGTGCACCTAGAGGAGGCTCCTGCGCAAAAAGCAAGAGGCTGTGTCAATTCTCAAGAAGC
 ATCCCCAAGAGAGAGACAGTGCACCTCCACACTTGGATGCTCAACAAGTGGAGGAGAGGCTGGCGGATCT
 GGCAAGGCAACACAAGGACCTCTGGGAGTTCCATGTCCTGCAGCAGCGACTGGCCAGGAGATCAGCACG
 ATGGAGCACAGGAAAGATCAGCTTCTTGAGAGAGGACTCTGCTGCGAGCCAGGCTGGAGAAGGTGGAGC
 AGCGGCTGCAGGAGGCCAGAGAGACCTGGGACAGCCAGGGAAGTGTGGGCTGAAGACAGAGCTGGAGGA
 ATTGGAGGGGCAGTCCCAGCGCAGCCAGAAGCTCAGAATGATAAAGGGGAGGCTAGCCAAGAGGAAACAG
 CATCATTTGGAGACATCAGAAGAGTTGCCAAGGACAGGAACGCTCTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286494
Insert Size: 681 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001286494.1</u> , <u>NP_001273423.1</u>
RefSeq Size:	774 bp
RefSeq ORF:	681 bp
Locus ID:	668110
UniProt ID:	<u>Q5D525</u>
Cytogenetics:	8 E1
Gene Summary:	May be involved in meiosis. Isoform 1 may be involved in meiosis during spermatogenesis while isoform 2 is probably related to a later stage of meiosis, in the development stage of secondary spermatocytes and spermatids.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. This encodes isoform 3, which is shorter than isoform 1.