

Product datasheet for **MC202819**

Swi5 (NM_175190) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Swi5 (NM_175190) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Swi5
Synonyms:	1500019F05Rik; 2900010J23Rik; AI046671
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC021748 sequence for NM_175190 GCCTGACGTGGGGCGGTTGGTGGTCTCCGTCGTCGGTTTCTAGTTCCTGAAGCAGCCGTTAAACCCCAA CCCTGGACCCCTCCGAGTTTAAGCCACCCCACTCCGGGTGCCCGGACCTTAGGGTTCAGGAGGGGTGA GTCAGAATTTCAGCCGACTTTACCATGGCGGCTACCGATCACGCAACGGCCATTCCCCATGATTGATGAG AATAACGATGTCAGCGAGGAGGCCTTGAGCTCTGACATTAAGAACTGAAGGAGAAGCATGACATGCTGG ACAAGGAGATCTCCAGTTAATAGCAGAGGGCTACCGTGTGATTGAGCTGGAGAAGCATATCTCCCTCCT CCATGAGTACAATGACATCAAGGATGTATCACAGATGCTGCTGGGGAAGCTGGCTGTGACTCGAGGCGTT ACCACCAAGGAGTTATATCCAGATTTTGATCTAAACCTGAATGACTGAGCAGCTTCTTGAGATTTTCAT CTACAGCCCACAGGACAGGAGGATGGGGGCATAAAAGGCAGAGTCTAGACAGCATATTCATATGATTTT CAGATTTTAAAGATGCTAGAAGCCCTCCAAAGTTTGGGGTGGGTCTAGAGAAGAGGAGTATTGGGAGG GGTGGGTATTGTCAATGTAAAGTTCTAAACATACTTGTGAGTAGGTGTGTGTTGTCCCTTTGTT AATAAACATATGAGCAGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_175190
Insert Size:	270 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).
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).


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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC021748](#), [AAH21748](#)

RefSeq Size: 747 bp

RefSeq ORF: 270 bp

Locus ID: 72931

UniProt ID: [Q8K3D3](#)

Cytogenetics: 2 B

Gene Summary: Component of the SWI5-SFR1 complex, a complex required for double-strand break repair via homologous recombination.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) contains an alternate 5' terminal exon, and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.