

Product datasheet for **MC204674**

SIn (NM_025540) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIn (NM_025540) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	SIn
Synonyms:	2310045A07Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC028496 TGGAGGTGGAGAGACTGAGGTCCTTGGTAGCCTGAGTGTGCCCTGCTCCTCTTCAGGAAGTGAAGACAA GCCTTGGTGTGCAATCACAAGTCCTTCTGGAGTTCTCATCCAGACATTCTGAAGATGGAGAGGTCTACTC AGGAGCTGTTTATCAACTTCACAGTTGCTCCTCATCACCGTTCTCCTTATGTGGCTCCTCGTGAGGTCCTA CCAATACTGAGGGGCCATGCTATACTCCAGGGAGTGAAGTGTGTGCCCGAGCTTCCAATGCTCTATT GTCATGAGATGCTGCTTCTGGCTCCTCCAGCATCTCTGACCCACACTCACAATGCCTGACACACCCTGC ACTAGGTCCTTGGCATGTTTTCTAAAGATGCTGTTCTTGTAGGCTGCCCAAAGCTTGCCAGCCAGTGAGC CTTAGCTTTGTTCCCTAGCAAATGTAATCAAGTCACCAGGTTAAAATTAAGTGGATTCTTATGATG CAGAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	EcoRI-NotI
ACCN:	NM_025540
Insert Size:	96 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.

RefSeq: [BC028496](#), [AAH28496](#)

RefSeq Size: 530 bp

RefSeq ORF: 96 bp

Locus ID: 66402

UniProt ID: [Q9CQD6](#)

Cytogenetics: 9 A5.3

Gene Summary: Sarcoplasmic reticulum Ca(2+)-ATPases are transmembrane proteins that catalyze the ATP-dependent transport of Ca(2+) from the cytosol into the lumen of the sarcoplasmic reticulum in muscle cells. This gene encodes a small proteolipid that regulates several sarcoplasmic reticulum Ca(2+)-ATPases. The transmembrane protein interacts with Ca(2+)-ATPases and reduces the accumulation of Ca(2+) in the sarcoplasmic reticulum without affecting the rate of ATP hydrolysis. [provided by RefSeq, Jul 2008]