

Product datasheet for **SC109491**

SYNC (NM_030786) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYNC (NM_030786) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYNC
Synonyms:	SYNC1; SYNCOILIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_030786, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAGCCCGGAGCCCGGCGCGGGGACGGCGCCGCCAGGCCGCGAGGAAAACAAGAGTAGAGG
CCAATTCTCCTCTTCCAAAGAACTCTGGATCCCTAAATGAGGCAGAAGCCTTGAACCCAGAAGTTACTCT
ATCTTCAGAGGGGTCTTAAACCTCGAAGACATTCTACCTGGAGGACACAGGTGACCTTGATGAGACA
CTCTATGTGCAAGAGACTGAGAAGGCAGAGGAGGCCCTGTATATTGAGGAGGCCATGCAGCCAGATGAGG
CTCTGCATGTGGAGGAGCCTGGGAATCCAGAGGAGACAGTGTGTGTGGAGGAAACCACGGAGCCAGATCG
GATACAGTTTGTGGAGGGGCCCTGGAGCCAGGAAAGCCACAAGCCAGAGCACGTTGTTTATGAGGGA
GAGACAGTCACAAGGGCGGAGAAATCTAACCTGAGGAGAGCCTCAGAGCCGAGCAGAGCCCGAGCGTGG
AGGAGAACCTGAGCATAGAGGACCTGGAATTGCTAGAGGGGCGTTTCCAGCAGTGTGTCCAAGCTGTGGC
CCAGCTGGAAGAGGAGAGGGATCAGCTCATCCATGAGCTTGATTGCTCCGGGAACCCAGCCCTGCAGGAG
GTACAGCAAGTCCATCAAGACATCCTGGCTGCCTACAAGCTCCATGCCAAGCAGAGCTGGAGAGAGATG
GCCTAAGGGAGGAGATCCGGCTGGTCAAGCAGAAGCTTTTCAAAGTGACAAAGGAATGTGTGGCCTACCA
ATACCAGCTGGAGTGCCGCCAGCAGGACGTGGCTCAGTTTGCCGATTTCCGGGAAGTGCTGACTACAAGG
GCAACCCAGCTCTCAGAGAACTGGCCAGCTCCGGGATGCCTATCAGAAGCAGAAGGAGCAGCTGCGGC
AACAACTAGAAGCCCCTCAAGCCAGAGGGATGGGCACCTTCTCCAGGAAAGCCGGCGACTCTCTGCCCA
GTTTGAATACTCATGGCAGAGAGCCGCCAGGACCTGGAGGAGGATGAGCCTCAGTTCCTGCGGCTC
CTAGAGAGGAAAAGAAGCTGGGACCAAGCTCTGCAGAGAACCAGGCTGAGATCCAGGAAATGAAGGAGG
CTCTGAGACCCCTGCAAGCAGAGGCCCGGCAGCTCCGCCTGCAAAAACAGGAACCTGGAGGACCAGATCGC
ACTTGTGAGGCAAAAACGAGATGAAGAGGTGCAGCAGTACAGGGAACAGCTGGAGGAAATGGAAGAACGC
CAGAGGCAGTTAAGAAATGGGGTGCAACTCCAGCAACAGAAGAACAAGAGATGGAACAGCTAAGGCTCA
GTCTTGCTGAAGAGCTCTACTTATAAGGCTATGCTACTACCCAAGAGCCTGGAACAGGCTGATGCTCC
CACTTCTCAGGCAGGTGGAATGGAGACACAGTCTCAAGGGGCTGTTTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030786 unedited
 TGTAAATACGACTCACTATAGGGCCGCGCAATTCGGCACGAGGGGAGAAATCTAACCT
 GAGGAGAGCCTCAGAGCCGAGCAGAGCCCCAGCGTGGAGGAGAACCTGAGCATAGAGGAC
 CTGGAATTGCTAGAGGGGCGTTTCCAGCAGTGTGTCCAAGCTGTGGCCAGCTGGAAGAG
 GAGAGGGATCAGCTCATCCATGAGCTTGTATTGCTCCGGGAACCAGCCCTGCAGGAGTA
 CAGCAAGTCCATCAAGACATCCTGGCTGCCTACAAGCTCCATGCCAAGCAGAGCTGGAG
 AGAGATGGCCTAAGGGAGGAGATCCGGCTGGTCAAGCAGAAGCTTTTCAAAGTGACAAAG
 GAATGTGTGGCCTACCAATACCAGCTGGAGTGCCGCCAGCAGGACGTGGCTCAGTTTGCC
 GATTTCCAGGAAGTGCTGACTACAAGGGCAACCCAGCTCTCAGAGGAACTGGCCAGCTC
 CGGGATGCCTATCAGAAGCAGAAGGAGCAGCTGCGGCAACAAGTGAAGCCCTCCAAGC
 CAGAGGGATGGGCACTTCTCCAGAAAGCCGGGACTCTCTGCCAGTTTGAAAACTCA
 TGGCAGAGAGGCCGCCAGGACCTGGAGGAGGATGAGCCTCAGTTCCTGCGGCTCTA
 GAAGGAAAGAGCTGGGACCAAAGCTCTGCAGAGACCCAGCTGAGATCCAGGAATGAAGG
 GAGCTCTTGANACCCTGCAGCAGAGGCCCGGGCAGCTCCGCTGCAAACAGGACCTGGAG
 ACAGNATCGACTGGTGAGGCAAAACAATGAAAAAGTGCANCAAGTCAGGAACAGCTGGAGA
 ATGGNAAACGCCNAGCAGTAGAATGGGGGCACCTCACACAGAGACAAAGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_030786 unedited
 ACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTAGGAGTTAGTCTTGACC
 ACTAGTTTGATGCCATCTCCATTTTGGGTGACCTGTTTACCAGCAGGCCTGTTACTCTC
 CATGACTAACTGTGAAGTGCTAAAATGGAATAAATTGCTTTTCTACATAACCCCATGC
 TGATGGGTTTTATTTAGTATAAAACATCCATCAAACACCAGTCTCTGGCTTCTAGAAGAG
 TCCTTCAGATGACAGTTGTTGTCCATGGTCTTTGACTATCAAGAGCAGAATTAATGTAA
 TAGTCCCAGAGCTGTAGAAAAGAACTTTACTCCTTCCCAGGAAAGTGAAGACATAAAA
 CACTGAATCAGAGGTGGCACAGATTAGTCTTTGATAAGGTAACGTTTCTTTGAAGTCTGT
 CTGTAGAGAACTACATGGACTTCCAAGAGTGTCAAAGGCAGTGTGGTAGAGAAATTTAA
 GGCAAGATTTAAATTTGGAAAAGGTGCTTGAACCTTTTCTCAGAGGTTTTATTTCCCGAG
 TATGTTTTTCACTGGGCCTTTACTTAGGTTAGAAATAATAGGCTTTGAAGGCCTCTATC
 ACCAGATGCAATAACCAGATAAAATTCCTGTTTTTCCCAATCGCTTAGTTTTTTGTTGT
 TGTTGTTTTTAACTGAGTAGATCATTCTGACCCAGAATACTTTTATGANGTAAGATCT
 TTGGGAAAATCTGAATAGCGTTAACCATTAGATTCAAATCTCAAATGGGTTTTCTTTTCAA
 GTCTAGTTGTTTTAGAGTATAGTGANGAAATACCTTGACACAATTTTAAGAGTAACTATA
 TGGGTCAGCATATCCTTGAACAAAAGTAGACTTTGTAAGTATCATTTAAATTCTAACA
 CTCGGGCACAAAGAAATGGAAATGTCACCCCTGTATGGAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_030786

Insert Size:

2340 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).

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: [NM_030786.1](#), [NP_110413.1](#)

RefSeq Size: 3493 bp

RefSeq ORF: 456 bp

Locus ID: 81493

UniProt ID: [Q9H7C4](#)

Cytogenetics: 1p35.1

Gene Summary: This gene encodes a member of the intermediate filament family which contains an N-terminal head domain, followed by a central coiled-coil region and a short C-terminal tail. The protein is highly expressed in skeletal and cardiac muscle. The protein links the dystrophin associated protein complex (DAPC) to desmin filaments in muscle and may have a structural role in striated muscle. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009]
Transcript Variant: This variant (1) encodes the longer isoform (1).