

Product datasheet for **SC327029**

SYNC (NM_001161708) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYNC (NM_001161708) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYNC
Synonyms:	SYNC1; SYNCOILIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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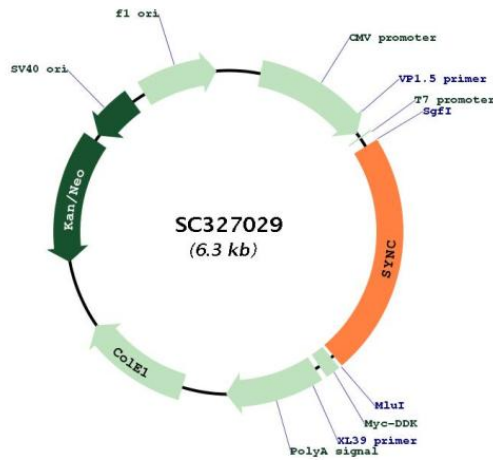
Fully Sequenced ORF: >SC327029 representing NM_001161708.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAGCCCGGAGCCCCGGCGCGGGGACGGCCCGCCAGGCCGCGAGGAAAACAAGAGTAGAG
GCCAATTCCTCTTCCAAAGAAGCTGGATCCCTAAATGAGGCAGAAGCCTTGAACCCAGAAGTTACT
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ACACTCTATGTGCAAGAGACTGAGAAGGCAGAGGAGGCCCTGTATATTGAGGAGGCCATGCAGCCAGAT
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001161708

Insert Size: 1431 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001161708.1</u>
RefSeq Size:	3413 bp
RefSeq ORF:	1431 bp
Locus ID:	81493
UniProt ID:	<u>Q9H7C4</u>
Cytogenetics:	1p35.1
MW:	54.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon, compared to variant 1, that causes a frameshift. The resulting protein (isoform 2) has a distinct C-terminus 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>