

Product datasheet for **SC302496**

SUNC1 (SUN3) (NM_001030019) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUNC1 (SUN3) (NM_001030019) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUNC1
Synonyms:	SUNC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302496 representing NM_001030019. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGTGGAAAAACAAAGGCAAGAAGGGCTGCCATGTTTTTTAGACGTTGCTCTGAAGACGCCAGCGGT
AGCGCCAGTGGCAATGCTTTGTTATCAGAGGACGAAATCCTGATGCGAATGGGGTAACTCGATCATGG
AAGATTATTCTAAGTACAATGCTTACACTGACTTTTCTTCTGTAGGACTCCTAAATCATCAGTGGCTT
AAAGAAACAGATGTTCTCAGAAATCCAGACAATTATATGCCATAATTGCAGAATATGGTTCAAGGCTT
TATAAATATCAGGCCAGACTTCGTATGCCTAAAGAGCAACTGGAACTTTTAAAGAAGGAAAGCCAGAAT
CTGAAAAACAATTTTCGTCAAATCTATTTTGTATCGAACAAATAGATGTCCTGAAGGCATTGCTAAGA
GATATGAAGGATGGTATGGACAATAATCACAACGGAAACCCATGGAGACCCTGTGGAGACCCCGAC
CACACAGAGGAAGTGTCAACTTGGTCAATTATGTACTTAAAAAGTTGAGAGAAGACCAAGTCGAGATG
GCTGATTATGCCCTGAAGTCGGCCGGAGCCTCCATCATTGAAGCTGGGACCTCAGAAAGTTATAAAAT
AATAAAGCAAAATTGTACTGGCATGGGATAGGTTTCTAAATCATGAAATGCCTCCAGATATTATCTT
CAGCCGGATGTCTACCCTGGAAAGTGCTGGGCTTTCCAGGTTCCAGGGTCATACCCTAATCAAGCTT
GCTACAAAGATCATACCAACTGCTGTTACCATGGAGCACATCTCAGAGAAGGTGTCTCCGTCAGGAAC
ATCTCCAGTGCACCCAAGGAATTTCTGTCTATGGCATCAGAAAAAATGTGAAGGAGAAGAAATTTTC
CTAGGTCAGTTTATATATAACAAACAGGAACCCGTTCAACATTTGAACTCCAGCATGCAGTTTCT
GAATATTTATTATGTGTGAACTTAATATCTTTAGCAACTGGGGACACCCGAAGTATACTTGTATAT
CGATTCAGGGTCCATGGCACACCAGGCAAGCACATCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001030019



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Insert Size:	1074 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:	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_001030019.1</u>
RefSeq Size:	1452 bp
RefSeq ORF:	1074 bp
Locus ID:	256979
UniProt ID:	<u>Q8TAQ9</u>
Cytogenetics:	7p12.3
MW:	40.5 kDa
Gene Summary:	As a probable component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex, involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. May be involved in nuclear remodeling during sperm head formation in spermatogenesis. A probable SUN3:SYNE1 LINC complex may tether spermatid nuclei to posterior cytoskeletal structures such as the manchette.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same isoform (1).