

Product datasheet for **SC123854**

SUNC1 (SUN3) (NM_152782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUNC1 (SUN3) (NM_152782) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUNC1
Synonyms:	SUNC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_152782 edited AGAAGCTTTTCAAATTCGCTCTCAAGAAGAAACACCCGTGGAGGAAGAAGACATTATA CAAAACAAATTTAGAACTGGGATCATGAGTGGAAAAACAAAGGCAAGAAGGGCTGCCAT GTTTTTTAGACGTTGCTCTGAAGACGCCAGCGGTAGCGCCAGTGGCAATGCTTTGTATC AGAGGACGAAAATCCTGATGCGAATGGGGTAACTCGATCATGGAAGATTATTCTAAGTAC AATGCTTACACTGACTTTTCTTCTGTAGGACTCCTAAATCATCAGTGGCTTAAAGAAAC AGATGTTCTCAGAAATCCAGACAATTATATGCCATAATTGCAGAATATGGTTCAAGGCT TTATAAATATCAGGCCAGACTTCGTATGCCTAAAGAGCAACTGGAACTTTTAAAGAAGGA AAGCCAGAATCTGGAAAACAATTTTCGTCAAATTTCTATTTTGGTGAACAAATAGATGT CCTGAAGGCATTGCTAAGAGATATGAAGGATGGTATGGACAATAATCACAACTGGAACAC CCATGGAGACCCTGTGGAGGACCCGGACCACACAGAGGAAGTGCAAACCTGGTCAATTA TGTACTTAAAAAGTTGAGAGAAGACCAAGTCGAGATGGCTGATTATGCCCTGAAGTCGGC CGGAGCCTCCATCATTGAAGCTGGGACCTCAGAAAGTTATAAAAAATAATAAGCAAAATT GTACTGGCATGGGATAGGTTTCCTAAATCATGAAATGCCTCCAGATATTATTCTTCAGCC GGATGTCTACCCTGGAAAGTGCTGGGCTTTTCCAGGTTCCAGGGTCATACCCTAATCAA GCTTGCTACAAAGATCATACCACTGCTGTTACCATGGAGCACATCTCAGAGAAGGTGTC TCCGTCAGGAAACATCTCCAGTGCACCCAAGGAATTTTCTGTCTATGGCATCACAAAAAA ATGTGAAGGAGAAGAAATTTTCTAGGTCAGTTTATATATAACAAACAGGAACACCGT TCAAACATTTGAACTCCAGCATGCAGTTTCTGAATATTTATTATGTGTGAACTTAATAT CTTTAGCAACTGGGACACCCGAAGTATACTTGTTTATATCGATTCAAGGTCCATGGCAC ACCAGGCAAGCACATCTAGAAGAGTTGGTACAGAAGGCCATGCCACATGTCCAGAATATT CAAGAATGCTTATTCTCTTAGATGATACCGCACCCATAGGAATTGAGAATTGGGAGTGGG AAGAAAACCTCAAAGTGGTTCATACTTGCTGTAAAAAGTAAATGCATTTTACTAATAAA AAAATATGGAAGCAAAAAAAAAAAAAAAAAA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152782 unedited <pre> GGNCGGCACGCATCAACTTCGTATAGCATACATTATACGAAGTTATGGATCAGGCCAAAT CGGCCGAGCTCGAATTCGTGAGAGCGGAGAAGCTTTTCAAATTCGTCTTCAAGAAGA AACACCCGTGGAGGAAGAAGACATTATACAAAACAAATTTAGAACTGGGATCATGAGTG GAAAAACAAAGGCAAGAAGGGCTGCCATGTTTTTAGACGTTGCTCTGAAGACGCCAGCG GTAGCGCCAGTGGCAATGCTTTGTTATCAGAGGACGAAATCCTGATGCGAATGGGGTAA CTCGATCATGGAAGATTATTCTAAGTACAATGCTTACACTGACTTTTCTTCTTAGGAC TCCTAAATCATCAGTGGCTTAAAGAAACAGATGTTCTCAGAAATCCAGACAATTATATG CCATAATTGCAGAATATGGTTCAAGGCTTTATAAATATCAGGCCAGACTTCGTATGCCTA AAGAGCAACTGGAACTTTAAAGAAGGAAAGCCAGAATCTGGAACAATTTTCGTCAA TTCTATTTTGGTGAACAAATAGATGTCCTGAAGGCATTGCTAAGAGATATGAAGGATG GTATGGACAATAATCACAACCTGGAACACCCATGGAGACCCTGTGGAGACCCGGACCACA CAGAGGAAGTGCAAACTGGTCAATTATGTACTTAAAAAGTTGAGAGAAGACCAAGTCG AGATGGCTGATTATGCCCTGAAGTCGGCCGGAGCCTCCATCATTGAAGCTGGGACCTCAG NNAAGTATTAATAATATAAGCAAAATTGTAAGTGGCATGGGATAGGTTTTCTAAATCATG AAATGGCTNCAGATATA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_152782
Insert Size:	1450 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_152782.3 , NP_689995.3
RefSeq Size:	1368 bp
RefSeq ORF:	1074 bp
Locus ID:	256979
UniProt ID:	Q8TAQ9
Cytogenetics:	7p12.3

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 (2) lacks a segment in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1).