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Product datasheet for SC335502

SUNC1 (SUN3) (NM_001284350) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUNC1 (SUN3) (NM_001284350) 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:	>SC335502 representing NM_001284350. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGAAGATTATTCTAAGTACAATGCTTACACTGACTTTTCTTCTTGTAGGCTGGAGTGCAGTGGTGCG ATCTTGGCTCACTGCAACCTCCACCTCCTGGGTTCAAGCATTTCTCCTGCCTCAGCCTCCCGAGTAGCT GGGACCACAGGACTCCTAAATCATCAGTGGCTTAAAGAAACAGATGTTCCTCAGAAATCCAGACAATTA TATGCCATAATTGCAGAATATGGTTCAAGGCTTTATAAATATCAGGCCAGACTTCGTATGCCTAAAGAG CAACTGGAACTTTTAAAGAAGGAAAGCCAGAATCTGGAAAACAATTTTCGTCAAATTCTATTTTTGATC GAACAAATAGATGTCCTGAAGGCATTGCTAAGAGATATGAAGGATGGTATGGACAATAATCACAACTGG AACACCCATGGAGACCCTGTGGAGGACCCGGACCACACAGAGGAAGTGTCAAACTTGGTCAATTATGTA CTTAAAAAGTTGAGAGAAGACCAAGTCGAGATGGCTGATTATGCCCTGAAGTCGGCCGGAGCCTCCATC ATTGAAGCTGGGACCTCAGAAAGTTATAAAAATAATAAAGCAAAATTGTACTGGCATGGGATAGGTTTC CTAAATCATGAAATGCCTCCAGATATTATTCTTCAGCCGGATGTCTACCCTGGAAAGTGCTGGGCTTTT CCAGGTTCCCAGGGTCATACCCTAATCAAGCTTGCTACAAAGATCATACCAACTGCTGTTACCATGGAG CACATCTCAGAGAAGGTGTCTCCGTCAGGAAACATCTCCAGTGCACCCAAGGAATTTTCTGTCTATGGC ATCACAAAAAAATGTGAAGGAGAAGAAATTTTCCTAGGTCAGTTTATATATAACAAAACAGGAACCACC GTTCAAACATTTGAACTCCAGCATGCAGTTTCTGAATATTTATTATGTGTGAAACTTAATATCTTTAGC AACTGGGGACACCCGAAGTATACTTGTTTATATCGATTCAGGGTCCATGGCACACCAGGCAAGCACATC TAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001284350

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Insert Size:	1038 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_001284350.1
RefSeq Size:	1551 bp
RefSeq ORF:	1038 bp
Locus ID:	256979
UniProt ID:	Q8TAQ9
Cytogenetics:	7p12.3
MW:	39.1 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 spermatogenenis. 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 (3) differs in the 5' UTR and contains an alternate exon in the 5' coding region compared to variant 1. These differences result in the use of a alternate start codon compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-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.