

Product datasheet for RC215649

SUNC1 (SUN3) (NM_001030019) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUNC1 (SUN3) (NM_001030019) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SUNC1
Synonyms:	SUNC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215649 representing NM_001030019 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGGAAAAACAAGGCAAGAAGGGCTGCCATGTTTTTTAGACGTTGCTCTGAAGACGCCAGCGGTA
GCGCCAGTGGCAATGCTTTGTTATCAGAGGACGAAAATCCTGATGCGAATGGGGTAACTCGATCATGGAA
GATTATTCTAAGTACAATGCTTACTGACTTTTCTTCTGTAGGACTCCTAAATCATCAGTGGCTTAA
GAAACAGATGTTCTCAGAAATCCAGACAATTATATGCCATAATGCAGAATATGGTTCAAGGCTTTATA
AATATCAGGCCAGACTTCGTATGCCTAAAGAGCAACTGGAACCTTTAAAGAAGGAAAGCCAGAATCTGGA
AAACAATTTTCGTCAAATCTATTTTTGATCGAACAAATAGATGTCTGAAGGCATTGCTAAGAGATATG
AAGGATGGTATGGACAATAATCACAACCTGGAACCCCATGGAGACCCGTGGAGGACCCGGACCACACAG
AGGAAGTGTCAAACCTGGTCAATTATGTACTTAAAAAGTTGAGAGAAGACCAAGTCGAGATGGCTGATTA
TGCCCTGAAGTCGGCCGGAGCCTCCATCATTGAAGCTGGGACCTCAGAAAAGTTATAAAAAATAAAGCA
AAATTGTACTGGCATGGGATAGGTTTCTAAATCATGAAATGCCTCCAGATATTATTCTCAGCCGGATG
TCTACCCTGGAAGTGTGGGCTTTTCCAGGTTCCAGGGTCATACCCTAATCAAGCTTGCTACAAAGAT
CATACCAACTGCTGTTACCATGGAGCACATCTCAGAGAAGGTGTCTCCGTCAGGAACATCTCCAGTGCA
CCCAAGGAATTTTCTGTCTATGGCATCACAAAAAATGTGAAGGAGAAGAAATTTTCTAGGTCAGTTTA
TATATAACAAAAACAGGAACCACCGTTCAAACATTTGAACTCCAGCATGCAGTTTCTGAATATTTATTATG
TGTGAACTTAATATCTTTAGCAACTGGGACACCCGAAGTATACTTGTTTATATCGATTACGGTCCAT
GGCACACCAGGCAAGCACATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001030019.2](#)

RefSeq Size: 1452 bp

RefSeq ORF: 1074 bp

Locus ID: 256979

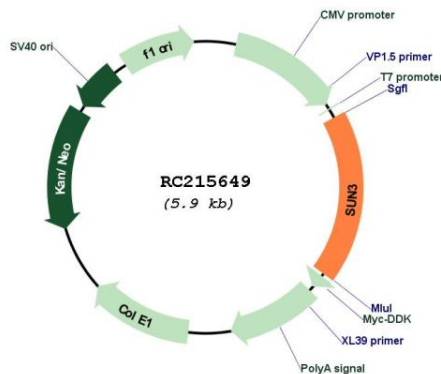
UniProt ID: [Q8TAQ9](#)

Cytogenetics: 7p12.3

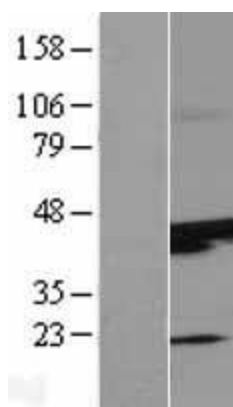
MW: 40.3 kDa

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]

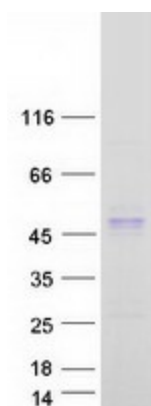
Product images:



Circular map for RC215649



Western blot validation of overexpression lysate (Cat# [LY422237]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215649 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SUN3 protein (Cat# [TP315649]). The protein was produced from HEK293T cells transfected with SUN3 cDNA clone (Cat# RC215649) using MegaTran 2.0 (Cat# [TT210002]).