

Product datasheet for **SC215162**

SUN2 (NM_015374) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	SUN2
Synonyms:	UNC84B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PSI00062)
ACCN:	NM_015374
Insert Size:	1563 bp



Insert Sequence:

>SC215162 3'UTR clone of NM_015374

The sequence shown below is from the reference sequence of NM_015374. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
TTCAGAGTGCATGGGGAGCCCCGCCACTAGCCCTGCTTACTGGTGCCTGCTGCCAGCCATCTGGGAGTG
GGTGAACAGCACCCCGCGCTTCCCCACACGCTTGCTCGCGCTCTGACTTCTAGGAGCACAAGAGAG
GAGCCTGTGGCCCCATGCAGATGAAAAGGACGGGACGGGTCTCTGAGCAGCAGGTGGCTCGAGGCGGT
TAGCAGGCTCCAGCAGCTCCCTTCTTCTTCTCTGTGCCCCGTGGCGTCTGCTTCCCATCTGGGAGT
GTGTATATATGTAGCATATCATGGGGGACTGGGAAGTTGGGAGAGGTAGGACCTGACTGGTCTTGGCTG
GGGTACAGGGCTGGTGCCTGGGAGCTGATGAAGCAGGTGCCAGGGCTGTGGGAGGGGCAAGCTACGGCC
TGGGCTAGGTGAGCTGCCTCTGCCCTGGGCAAGGAAGCGAGGCCCTCTGGGAGGAGGTGCTTAGCTC
CAGAGCAGGATGGGACTTCCCCAGGCAGGAAGCACTTGATGGAGAGCTGCCAGCTCTCTACAAGGTT
AGTGCCTCCACCTAGGGAAGCATGAACACAGGGTCCCTGAGGGCCTTCGACAAAAGTGTGATTTGT
CCCGGGGAGGGTAGCAGTGGGCCATGGGGCTTCTGTGCCCTAAAGGGGACTGGCTGCTGTGATCTTCT
AAGGGGCCAGGGCCAACCTGTAGGCTTCCCCTCTGCTGGGACGGTAGTTGCTTTTCTCTCTCTCTGA
TGCTAGGTTGGGGCCACCCTGCTCCCTGTCTCTGCTAGGGCCTGCCAGTGCCCTGAGCTTGTCTTCC
ACATTCTCCAGGGTATGGAGACCTAGACCTGTCTTTGGGGCCATTAGCATCTGGGGTTATAGCAAGAA
GAGTGGGGAGCATGGAACCTCTGGGCTTGTGTGGGACGTTTCAAGGTATCGGGGTGCGAGGTCTGTCTG
CACCGGCCCCCAGCATCTAACAGGCCCTGATGTAGGGGTGTCGCTCAGGCTGCCCTTGGGCTCTT
GCAGCTCTTGTTAGGTAGTGCCTTCTGTTTGTCTCTGTGGGACGTTGGTGGGGCTGGGGGAA
GAGGCTGGCAGAAGTTACCTGGATAGGGAAGGGGAGGAGGGGACTTTTAGAGCCAGCAGGCCCCACT
GTATTATGTATATATTTTCAAGGTCTGTTTTTCTAACTGAAAAGCTAAGGGCTTGATTCTAGCCCCG
TTCTGTGGGCACTGGGTGATACTAGTTTCTTGTCTTCTGGCCGTGGAGAGGGGCTGGGGCACTGGTT
CCGGCTGTGTCTGGTGGTCTGGCTGCGGGGAAGGGGCAAGAAGCGGGCAGGCCTTCACTGCAGCACTG
AGCCTCAAATCCGCTCTGGAGCATGAGGCTGGATGCAGTGGTGGTGGAGCCGCCCGCTCCATCCCGAG
GCAGCCAGGGTTTGTGCGCTCTCTGTGACAAATGCTGCACTATTGGTTCTTAAGTTTTTTATCTC
CAGATCCTAATTTATGCCTATGCAAAAAATAAATGACGCCCAAGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:

NM_015374.3

Summary:	SUN1 (MIM 607723) and SUN2 are inner nuclear membrane (INM) proteins that play a major role in nuclear-cytoplasmic connection by formation of a 'bridge' across the nuclear envelope, known as the LINC complex, via interaction with the conserved luminal KASH domain of nesprins (e.g., SYNE1; MIM 608441) located in the outer nuclear membrane (ONM). The LINC complex provides a direct connection between the nuclear lamina and the cytoskeleton, which contributes to nuclear positioning and cellular rigidity (summary by Haque et al., 2010 [PubMed 19933576]).[supplied by OMIM, Nov 2010]
Locus ID:	25777
MW:	54.7