

Product datasheet for **RC229818**

SUN1 (NM_001171945) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUN1 (NM_001171945) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SUN1
Synonyms:	UNC84A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229818 representing NM_001171945 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAGGATTTCTCCCGGCTCCCCAGGGCTCCCCAGGACAGTATGGTTTGAAGTGGTGAACATGGATT
TTTCTCGGCTTCACATGTACAGTCTCCCCAGTGTGTGCCGAGAACACGGGCTACACGTATGCGCTCAG
TTCCAGCTATTCTTCAGATGCTCTGGATTTTGAGACGGAGCACAAATTGGACCCTGTATTTGATTCTCCA
CGGATGTCCCGCGTAGTTTGCCTGGCCACGACAGCATGCACCCTGGGGATGGTGGGCTGTGGGTG
CCGACAGCGGCACCAGCAGCGCTGTCTCCCTGAAGAACCAGCGCCAGAACAACAAAACAGCGCAGAAG
CACAAACAAATCAGCTTTTAGTATCAACCACGTGTCAAGGACAGGTACAGTCTCTGGCGTCAGCCACGGC
GGCACTGTGAGCCTGCAGGATGCTGTGACTCGACGGCCTCCTGTATTGGACGAGTCTTGGATTCTGTGAAC
AGACCACAGTGGACCACTTCTGGGGTCTTGATGATGATGGTGATCTTAAAGGTGAAATAAAGCTGCCAT
TCAGGGAAACGGGGATGTGGGAGCCGCCGCCACCGCGCACACGGCTTCTCTGCAGCAACTGCAGC
ATGCTGTCCGAGCGCAAGGACGTGCTCACGGCGCACCCCGCGGCCCGGGCCCGTGTGAGAGTTTATT
CTAGGGACAGGAATCAAAAATGTAAGTCTCAGTCTTTAAACTCAGAAAAAGGTGTGTTTTCAAATTT
AATATTTCTTTCTGTAAGTCTCAGTGTCTGCACTATTTGTCTTGGAGACTTAAAATTATCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229818 representing NM_001171945
Red=Cloning site Green=Tags(s)

MGRISPGSPGLPRTVWFVEVNMDFSRLLHMYSPQCVPEPENTGYTYALSSSYSSDALDFETEHKLDPVFDSP
 RMSRRLRLATTACTLGDGEAVGADSGTSSAVSLKNRAARTTKQRRSTNKSAFSINHVSRQVTSSGVSHG
 GTVSLQDAVTRPPVLDDESWIREQTTVDHFWGLDDDGLKGGNKAAIQNGDVGAAAATAHNGFSCSNCS
 MLSERKDVLTALHPAAGPVSRYSRDRNQCKKSQSFKTQKKVCFPNLIFPFCKSQCLHYLSWRLKIIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001171945

ORF Size: 834 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001171945.2](#)

RefSeq ORF: 837 bp

Locus ID: 23353

UniProt ID: [O94901](#)

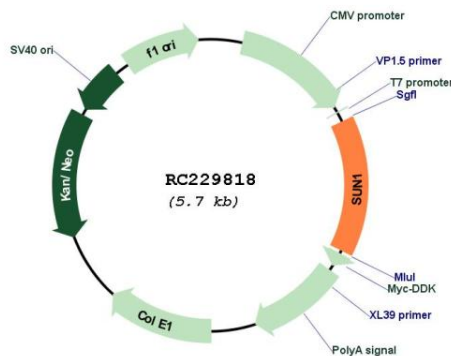
Cytogenetics: 7p22.3

Protein Families: Transmembrane

MW: 30.8 kDa

Gene Summary: This gene is a member of the unc-84 homolog family and encodes a nuclear envelope protein with an Unc84 (SUN) domain. The protein is involved in nuclear anchorage and migration. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2019]

Product images:



Circular map for RC229818