

## Product datasheet for **SC328456**

### SUN1 (NM\_001171945) Human Untagged Clone

#### Product data:

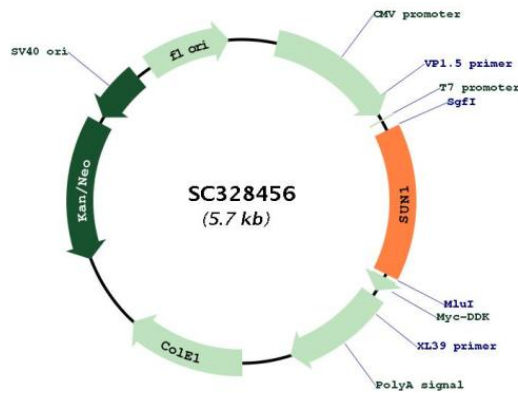
Product Type:	Expression Plasmids
Product Name:	SUN1 (NM_001171945) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUN1
Synonyms:	UNC84A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328456 representing NM_001171945. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAGGATTCTCCCGGCTCCCGAGGGCTCCCGAGGACAGTATGGTTTGAAGTGGTGAACATGGAT
TTTTCTCGGCTTCACATGTACAGTCTCCCGAGTGTGTGCCGGAGAACACGGGCTACACGTATGCGCTC
AGTTCCAGCTATTCTTCAGATGCTCTGGATTTTGAGACGGAGCACAATTTGGACCCTGTATTTGATTCT
CCACGGATGTCCCGCGTAGTTTGGCCTGGCCACGACAGCATGCACCCTGGGGGATGGTGGGCTGTG
GGTGCCGACAGCGCACAGCAGCGCTGTCTCCCTGAAGAACCGAGCGGCCAGAACAAACAAACAGCGC
AGAAGCACAACAAATCAGCTTTTAGTATCAACCAGTGTCAAGGCAGGTACGTCTCTGGCGTCAGC
CACGGCGCACTGTGAGCCTGCAGGATGCTGTGACTCGACGGCCTCCTGTATTGGACGAGTCTGGATT
CGTGAACAGACCACAGTGGACCCTTCTGGGGTCTTGATGATGATGGTATCTTAAAGGTGAAATAAA
GCTGCCATTACAGGAAACGGGGATGTGGGAGCCGCCGCCACCGCGCACAAACGGCTTCTCCTGCAGC
AACTGCAGCATGCTGTCCGAGCGCAAGGACGTGCTCACGGCGCACCCCGCGGCCCGGGCCCGTGTG
AGAGTTTATTCTAGGGACAGGAATCAAAAATGTAAGTCTCAGTCTTTAAACTCAGAAAAAGGTGTGT
TTTCAAATTTAATATTTCTTTCTGTAAGTCTCAGTGTCTGCACTATTTGTCTTGAGACTTAAAT
ATCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001171945

**Insert Size:** 837 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001171945.1](#)

**RefSeq Size:** 1309 bp

**RefSeq ORF:** 837 bp

Locus ID: 23353

UniProt ID: [O94901](#)

Cytogenetics: 7p22.3

Protein Families: Transmembrane

MW: 30.4 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]  
Transcript Variant: This variant (4) has multiple differences compared to variant 1. These differences result in distinct 5' and 3' UTRs and cause translation initiation at an alternate, upstream start codon, compared to variant 1. The encoded protein (isoform d) is shorter than isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.