

Product datasheet for **SC333342**

Surb7 (MED21) (NM_001271811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Surb7 (MED21) (NM_001271811) Human Untagged Clone
Tag:	Tag Free
Symbol:	MED21
Synonyms:	hSrb7; SRB7; SURB7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333342 representing NM_001271811. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGATCGGCTCACGCAGCTTCAGGACGCTGTGAATTCGCTGCAGATCAGTTTTGTAATGCCATT
GGAGTATGCAGCAATGTGGTCTCCTGCCTCTTTCAATAATATTCAGACAGCAATTAACAAAGACCAG
CCAGCTAACCTACAGAAGTATGCCAGCTTTTGCAGCACTGATTGCACGAACAGCAAAGACATTGA

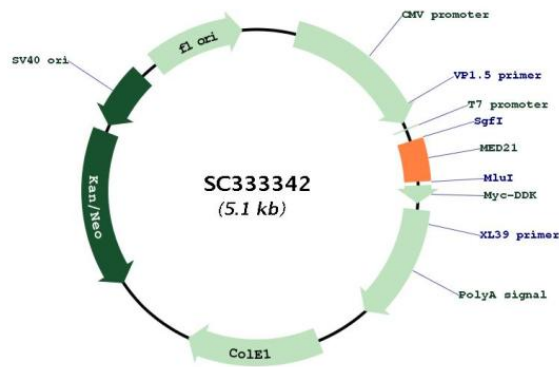
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001271811

Insert Size: 207 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_001271811.1](#)

RefSeq Size: 2703 bp

RefSeq ORF: 207 bp

Locus ID: 9412

Cytogenetics: 12p11.23

Protein Families: Transcription Factors

MW: 7.3 kDa

Gene Summary: This gene encodes a member of the mediator complex subunit 21 family. The encoded protein interacts with the human RNA polymerase II holoenzyme and is involved in transcriptional regulation of RNA polymerase II transcribed genes. A pseudogene of this gene is located on chromosome 8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (2) uses an alternate splice site in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-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.