

Product datasheet for **RG235448**

Surb7 (MED21) (NM_001271811) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Surb7 (MED21) (NM_001271811) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Surb7
Synonyms: hSrb7; SRB7; SURB7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235448 representing NM_001271811.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGGATCGGCTCACGCAGCTTCAGGACGCTGTGAATTCGCTTGCAGATCAGTTTTGTAATGCCATT
GGAGTATTCAGCAATGTGGTCTCCTGCCTCTTCAATAATATTCAGACAGCAATTAACAAAGACCAG
CCAGCTAACCTACAGAAGTATGCCAGCTTTTGCAGCACTGATTGCACGAACAGCAAAGACAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235448
Blue=ORF Red=Cloning site Green=Tag(s)

```
MADRLTQLQDAVNSLADQFCNAIGVLQQCGPPASFNNIQTAINKDQPANPTEVCPAFCSTDCTNSKRH
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGYTNRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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Cloning Scheme:

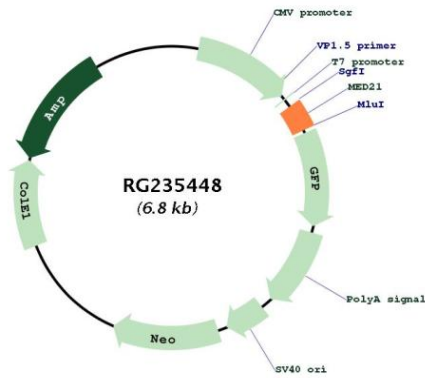


- ACCN: NM_001271811
- ORF Size: 204 bp
- OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with 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).
- RefSeq: [NM_001271811.1](#), [NP_001258740.1](#)
- RefSeq Size: 2703 bp
- RefSeq ORF: 207 bp
- Locus ID: 9412
- Cytogenetics: 12p11.23
- Protein Families: Transcription Factors

MW: 7.8 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]

Product images:



Circular map for RG235448