

Product datasheet for **RC235448**

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: Myc-DDK
Symbol: MED21
Synonyms: hSrb7; SRB7; SURB7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235448 representing NM_001271811
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGATCGGCTCACGCAGCTTCAGGACGCTGTGAATTCGCTGCAGATCAGTTTTGTAATGCCATTG
GAGTATTGCAGCAATGTGGTCTCCTGCCTCTTCAATAATTCAGACAGCAATTAACAAAGACCAGCC
AGCTAACCTACAGAAGTATGCCAGCTTTTTGCAGCACTGATTGCACGAACAGCAAAGACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235448 representing NM_001271811
Red=Cloning site Green=Tags(s)

MADRLTQLQDAVNSLADQFCNAIGVLQQCGPPASFNNIQTAINKDQPANPTEVCPAFCTDCTNSKRH

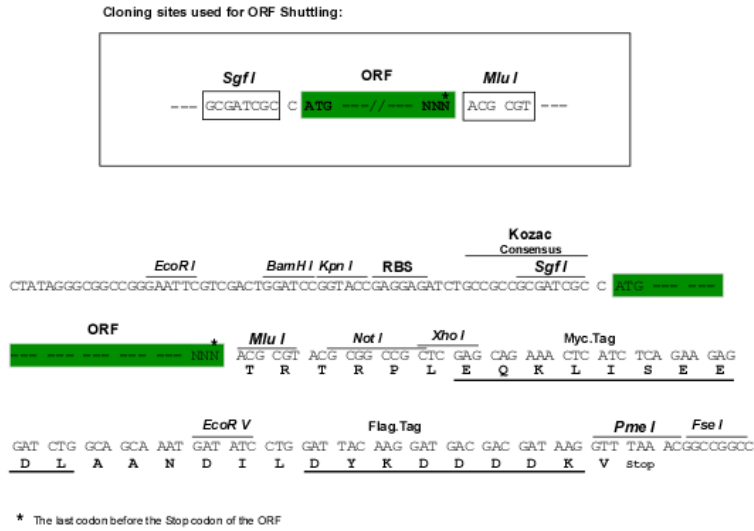
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

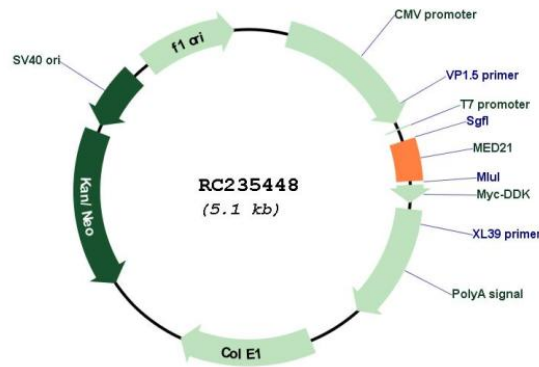


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Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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 , 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]