

Product datasheet for RC235299

USP19 (NM_001199160) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: USP19 (NM_001199160) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: USP19
Synonyms: ZMYND9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235299 representing NM_001199160
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC235299 representing NM_001199160
 Red=Cloning site Green=Tags(s)

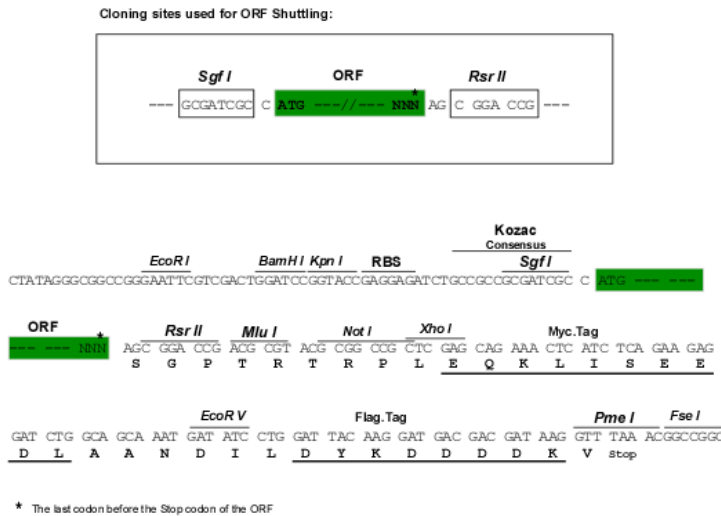
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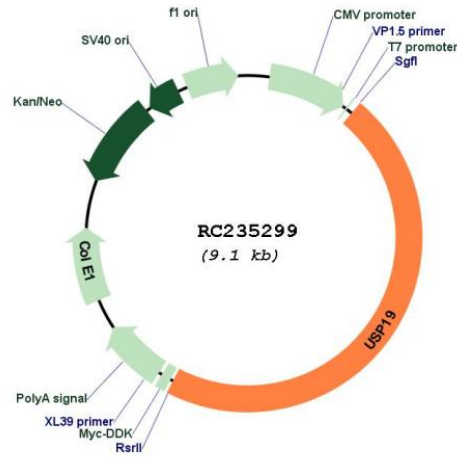
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Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:


ACCN: NM_001199160

ORF Size: 4257 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_001199160.1](#), [NP_001186089.1](#)

RefSeq Size: 4878 bp

RefSeq ORF: 4260 bp

Locus ID: 10869

UniProt ID: [O94966](#)

Cytogenetics: 3p21.31

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 156.5 kDa

Gene Summary: Protein ubiquitination controls many intracellular processes, including cell cycle progression, transcriptional activation, and signal transduction. This dynamic process, involving ubiquitin conjugating enzymes and deubiquitinating enzymes, adds and removes ubiquitin. Deubiquitinating enzymes are cysteine proteases that specifically cleave ubiquitin from ubiquitin-conjugated protein substrates. This protein is a ubiquitin protein ligase and plays a role in muscle wasting. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017]