

Product datasheet for RC214190L3

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OriGene Technologies, Inc.

USP19 (NM_006677) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: USP19 (NM_006677) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: USP19

Synonyms: ZMYND9

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

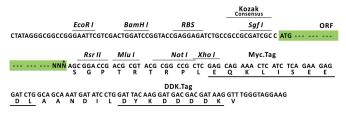
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC214190).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_006677

ORF Size: 3954 bp





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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: <u>NM 006677.1</u>

 RefSeq Size:
 4401 bp

 RefSeq ORF:
 3957 bp

 Locus ID:
 10869

 UniProt ID:
 094966

 Cytogenetics:
 3p21.31

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 145.5 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]