

Product datasheet for RC206036L3

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OriGene Technologies, Inc.

USPL1 (NM_005800) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: USPL1 (NM 005800) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: USPL1

Synonyms: bA121O19.1; C13orf22; D13S106E

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(RC206036).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_005800

ORF Size: 3276 bp





USPL1 (NM_005800) Human Tagged Lenti ORF Clone - RC206036L3

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 005800.3</u>, <u>NP 005791.2</u>

 RefSeq Size:
 3905 bp

 RefSeq ORF:
 3279 bp

 Locus ID:
 10208

 UniProt ID:
 Q5W0Q7

 Cytogenetics:
 13q12.3

MW: 120.4 kDa

Gene Summary: SUMO-specific isopeptidase involved in protein desumoylation. Specifically binds SUMO

proteins with a higher affinity for SUMO2 and SUMO3 which it cleaves more efficiently. Also able to process full-length SUMO proteins to their mature forms (PubMed:22878415). Plays a

key role in RNA polymerase-II-mediated snRNA transcription in the Cajal bodies (PubMed:24413172). Is a component of complexes that can bind to U snRNA genes

(PubMed:24413172).[UniProtKB/Swiss-Prot Function]