

Product datasheet for RC218264L3

OriGene Technologies, Inc.

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USP14 (NM_001037334) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: USP14 (NM 001037334) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: USP14
Synonyms: TGT

Mammalian Cell Puromycin

Selection:

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

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

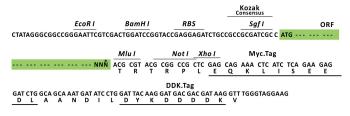
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC218264).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001037334

ORF Size: 1377 bp





USP14 (NM_001037334) Human Tagged Lenti ORF Clone - RC218264L3

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 001037334.1</u>

 RefSeq Size:
 4051 bp

 RefSeq ORF:
 1380 bp

 Locus ID:
 9097

 UniProt ID:
 P54578

Cytogenetics: 18p11.32

Protein Families: Druggable Genome, Protease

MW: 52.2 kDa

Gene Summary: This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases

that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinylated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of

age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

[provided by RefSeq, Jul 2008]