

Product datasheet for RC217884L3

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OriGene Technologies, Inc.

UBE2I (NM_003345) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: UBE2I (NM_003345) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: UBE21

Synonyms: C358B7.1; P18; UBC9

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 clo

Sequence:

The ORF insert of this clone is exactly the same as(RC217884).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_003345

ORF Size: 474 bp





UBE2I (NM_003345) Human Tagged Lenti ORF Clone - RC217884L3

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 003345.3</u>

RefSeq Size: 2871 bp

RefSeq ORF: 477 bp **Locus ID:** 7329

Locus ID: 7329
UniProt ID: P63279

Cytogenetics: 16p13.3

Domains: UBCc

Protein Pathways: Ubiquitin mediated proteolysis

MW: 18 kDa

Gene Summary: The modification of proteins with ubiquitin is an important cellular mechanism for targeting

abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. Four alternatively spliced transcript variants encoding the same

protein have been found for this gene. [provided by RefSeq, Jul 2008]