

## Product datasheet for RC204675L4V

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## **UBE1C (UBA3) (NM\_003968) Human Tagged ORF Clone Lentiviral Particle**

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: UBE1C (UBA3) (NM 003968) Human Tagged ORF Clone Lentiviral Particle

Symbol: UBE10

Synonyms: hUBA3; NAE2; UBE1C

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM\_003968

ORF Size: 1389 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC204675).

Sequence:

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.

**RefSeg:** NM 003968.3

 RefSeq Size:
 2136 bp

 RefSeq ORF:
 1392 bp

 Locus ID:
 9039

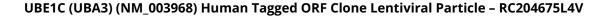
 UniProt ID:
 Q8TBC4

 Cytogenetics:
 3p14.1

Domains: UBACT, ThiF

**Protein Pathways:** Ubiquitin mediated proteolysis





ORIGENE

**MW:** 51.7 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 E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]