

# **Product datasheet for RG231637**

### https://www.origene.com techsupport@origene.com EU: info-de@origene.com

EU: info-de@origene.com CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436

**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

## UBE2V1 (NM\_001257394) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: UBE2V1 (NM\_001257394) Human Tagged ORF Clone

Tag: TurboGFP Symbol: UBE2V1

Synonyms: CIR1; CROC-1; CROC1; UBE2V; UEV-1; UEV1; UEV1A

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG231637 representing NM\_001257394
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAAGGAAGACTTGAACCTAGAAAATTTCACTGCAAAGACAATTTATGAAAACCGAATATACAGCCTTA AAATAGAATGTGGACCTAAATACCCAGAAGCACCCCCCTTTGTAAGATTTGTAACAAAAATTAATATGAA TGGAGTAAATAGTTCTAATGGAGTGGTGGACCCAAGAGCCATATCAGTGCTAGCAAAATGGCAGAATTCA TATAGCATCAAAGTTGTCCTGCAAGAGCTTCGGCGCCCTAATGATGTCTAAAGAAAATATGAAACTCCCTC

AGCCGCCGAAGGACAGTGTTACAGCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231637 representing NM\_001257394

Red=Cloning site Green=Tags(s)

MKEDLNLENFTAKTIYENRIYSLKIECGPKYPEAPPFVRFVTKINMNGVNSSNGVVDPRAISVLAKWONS

YSIKVVLQELRRLMMSKENMKLPQPPEGQCYSN

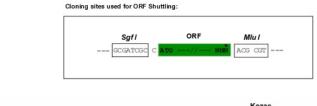
TRTRPLE - GFP Tag - V

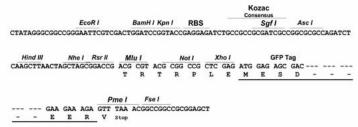
**Restriction Sites:** Sgfl-Mlul



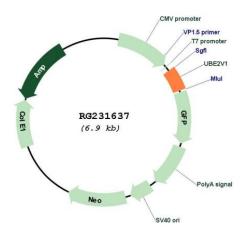


#### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM 001257394

ORF Size: 309 bp

**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



### UBE2V1 (NM\_001257394) Human Tagged ORF Clone - RG231637

**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 001257394.2</u>

 RefSeq Size:
 2392 bp

 RefSeq ORF:
 312 bp

 Locus ID:
 7335

 UniProt ID:
 Q13404

Cytogenetics: 20q13.13

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Ubiquitin-conjugating E2 enzyme variant proteins constitute a distinct subfamily within the E2

protein family. They have sequence similarity to other ubiquitin-conjugating enzymes but lack the conserved cysteine residue that is critical for the catalytic activity of E2s. The protein encoded by this gene is located in the nucleus and can cause transcriptional activation of the human FOS proto-oncogene. It is thought to be involved in the control of differentiation by altering cell cycle behavior. Alternatively spliced transcript variants encoding multiple isoforms have been described for this gene, and multiple pseudogenes of this gene have been identified. Co-transcription of this gene and the neighboring upstream gene generates a rare transcript (Kua-UEV), which encodes a fusion protein comprised of sequence sharing

identity with each individual gene product. [provided by RefSeq, Apr 2012]