

## Product datasheet for **RG235553**

### UBE2V1 (NM\_001282575) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UBE2V1 (NM\_001282575) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** UBE2V1  
**Synonyms:** CIR1; CROC-1; CROC1; UBE2V; UEV-1; UEV1; UEV1A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG235553 representing NM\_001282575.  
**Blue**=ORF **Red**=Cloning site **Green**=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGACAATTTATGAAAACCGAATATACAGCCTTAAAATAGAATGTGGACCTAAATACCCAGAAGCACCC
CCCTTTGTAAGATTTGTAACAAAATTAATATGAATGGAGTAAATAGTTCTAATGGAGTGGTGGACCCA
AGAGCCATATCAGTGCTAGCAAATGGCAGAATTCATATAGCATCAAAGTTGCTCTGCAAGAGCTTCGG
CGCCTAATGATGTCTAAAGAAAATGAAACTCCCTCAGCCGCCCGAAGGACAGTGTACAGCAAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235553  
**Blue**=ORF **Red**=Cloning site **Green**=Tag(s)

```
MTIYENRIYSLKIECGPKYPEAPPFVRFVTKINMNGVNSSNGVVDPR AISVLAKWQNSYSIKVVLQELR
RLMMSKENMKLPQPEGQCYSN
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHA INNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIDGFKVMGTGFPEP
SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001282575

**ORF Size:** 273 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](#)

**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).

**RefSeq:** [NM\\_001282575.3](#)

**RefSeq Size:** 2593 bp

**RefSeq ORF:** 276 bp

**Locus ID:** 7335

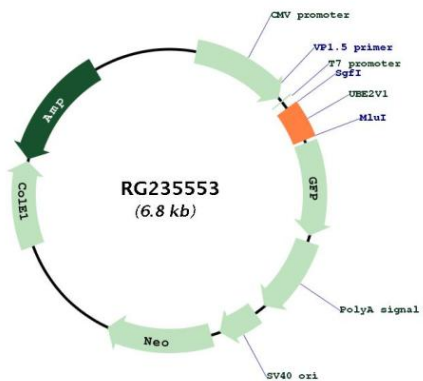
**Cytogenetics:** 20q13.13

**Protein Families:** Druggable Genome, Transcription Factors

**MW:** 10.9 kDa

**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]

**Product images:**


Circular map for RG235553