

# **Product datasheet for RG213095**

## **UBE2H (NM 182697) Human Tagged ORF Clone**

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** UBE2H (NM\_182697) Human Tagged ORF Clone

Tag: TurboGFP
Symbol: UBE2H

Synonyms: E2-20K; GID3; UBC8; UBCH; UBCH2

Mammalian Cell Neomycin

Selection:

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

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

ORF Nucleotide >RG213095 representing NM\_182697

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCATCTCCCAGTCCGGGCAAGAGGCGGATGGACACGGACGTGGTCAAGCTCATCGAGAGTAAACATG
AGGTTACGATCCTGGGAGGACTTAATGAATTTGTAGTGAAGTTTTATGGACCACAAGGAACACCATATGA
AGGCGGAGTATGGAAAGTTAGAGTGGACCTACCTGATAAATACCCTTTCAAATCTCCATCTATAGATCTT
ACCAATATATTTGAGTCCTTCCTGCCTCAGTTATTGGCCTATCCTAACCCCATAGATCCTCAATGGTG
ACGCTGCAGCCATGTACCTCCACCGACCAGAAGAATACAAGCAGAAAATTAAAGAGTACATCCAGAAATA
CGCCACGGAGGAGGAGGCGCTGAAAGAACAGGAAGAGGGTACCGGGGACAGCTCATCGGAGAGCTCTATGTCT

GACTTTTCCGAAGATGAGGCCCAGGATATGGAGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG213095 representing NM\_182697

Red=Cloning site Green=Tags(s)

MSSPSPGKRRMDTDVVKLIESKHEVTILGGLNEFVVKFYGPQGTPYEGGVWKVRVDLPDKYPFKSPSIDL TNIFESFLPQLLAYPNPIDPLNGDAAAMYLHRPEEYKQKIKEYIQKYATEEALKEQEEGTGDSSSESSMS

DFSEDEAQDMEL

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



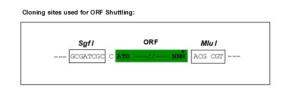
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

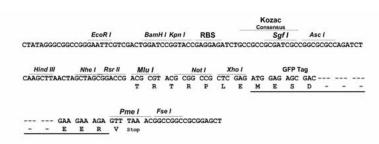
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

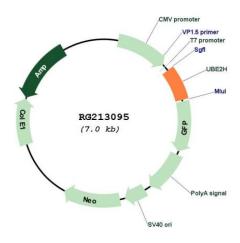


#### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM\_182697

ORF Size: 456 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.

### UBE2H (NM\_182697) Human Tagged ORF Clone - RG213095

**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 182697.3</u>

 RefSeq Size:
 2635 bp

 RefSeq ORF:
 459 bp

 Locus ID:
 7328

 UniProt ID:
 P62256

 Cytogenetics:
 7q32.2

**Protein Pathways:** Ubiquitin mediated proteolysis

**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. The encoded protein sequence is 100% identical to the mouse homolog and 98% identical to the frog and zebrafish homologs. Three alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms.

[provided by RefSeq, Feb 2011]