

Product datasheet for RG215865

UBE2NL (NM 001012989) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: UBE2NL (NM_001012989) Human Tagged ORF Clone

Tag: TurboGFP Symbol: UBE2NL

Synonyms: Li174

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

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

ORF Nucleotide >RG215865 representing NM_001012989
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCCGAGCTGCCCCACAGGATCATCAAGGAAACCCAGCGTTTGCTGGCAGAGCCAGTTCCTGGCATCA
AAGCAGAACCAGATGAAAGCAACGCCCGTTATTTTCATGTGGTCATTGCTGGGGAATCAAAGGATTCCCC
CTTTGAGGGAGGGACTTTTAAACGTGAACTATTACTTGCAGAAGAATACCCAATGGCAGCCCCTAAAGTA
CGTTTCATGACCAAAATTTATCATCCAAATGTAGACAAGTTGGAAAGAATAAGTTTAGATATTTTGAAAG
ATAAGTGGTCCCCAGCCCTGCAGATCCGCACAGTTCTGCTATCGATCCAGGCCTTGTTAAATGCTCCCAA
TCCAGATGATCCATTAGCAAATGATGTAGTGGAGCAGTGGAAGACCAACGAAGCCCAAGCCATTGAAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

GCTAGAGCATGGACTAGGCTATATGCCATGAATAGTATT

Protein Sequence: >RG215865 representing NM_001012989

Red=Cloning site Green=Tags(s)

MAELPHRIIKETQRLLAEPVPGIKAEPDESNARYFHVVIAGESKDSPFEGGTFKRELLLAEEYPMAAPKV RFMTKIYHPNVDKLERISLDILKDKWSPALQIRTVLLSIQALLNAPNPDDPLANDVVEQWKTNEAQAIET

ARAWTRLYAMNSI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



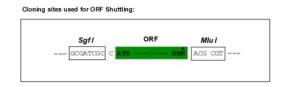
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

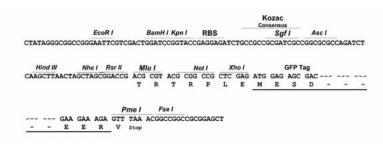
CN: techsupport@origene.cn

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

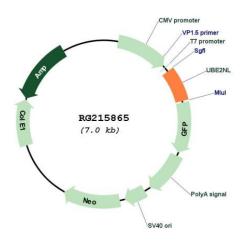


Cloning Scheme:





Plasmid Map:



ACCN: NM 001012989

ORF Size: 459 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.



UBE2NL (NM_001012989) Human Tagged ORF Clone - RG215865

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 001012989.2</u>, <u>NP 001013007.1</u>

 RefSeq Size:
 1190 bp

 RefSeq ORF:
 462 bp

 Locus ID:
 389898

 UniProt ID:
 Q5|XB2

 Cytogenetics:
 Xq27.3

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: This gene is intronless and encodes a member of the ubiquitin-conjugating enzyme family.

The protein product is 91% identical to ubiquitin-conjugating enzyme E2N, a multi-exon gene product. This locus represents a polymorphic pseudogene, where some individuals contain an allele that can encode a full-length protein, while others have a non-functional allele containing a premature stop codon (reference SNP rs237520) that truncates the coding

sequence. [provided by RefSeq, Jun 2014]