

Product datasheet for **RG231677**

UBE2H (NM_001202498) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2H (NM_001202498) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UBE2H
Synonyms: E2-20K; GID3; UBC8; UBCH; UBCH2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231677 representing NM_001202498
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATAAAATTTCCATCCCAACATTGATGAAGCGTCAGGAAGTGTGTCTAGATGTAATTAATCAAA
 CTTGGACAGCTCTCTATGATCTTACCAATATATTTGAGTCCTTCCTGCCTCAGTTATTGGCCTATCCTAA
 CCCCATAGATCCTCTCAATGGTGACGCTGCAGCCATGTACCTCCACCGACCAGAAGAATACAAGCAGAAA
 ATTAAGAGTACATCCAGAAATACGCCACGGAGGAGCGCTGAAAGAACAGGAAGAGGGTACCGGGGACA
 GCTCATCGGAGAGCTCTATGTCTGACTTTCCGAAGATGAGGCCAGGATATGGAGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231677 representing NM_001202498
 Red=Cloning site Green=Tags(s)
 MNKIFHPNIDEASGTVCLDVINQWTALYDLTNIFESFLPQLLAYPNPIDPLNGDAAAMYLRHPEEYKQK
 IKEYIQYATEEALKEQEEGTGDSSSESSMSDFSEDEAQDMEL

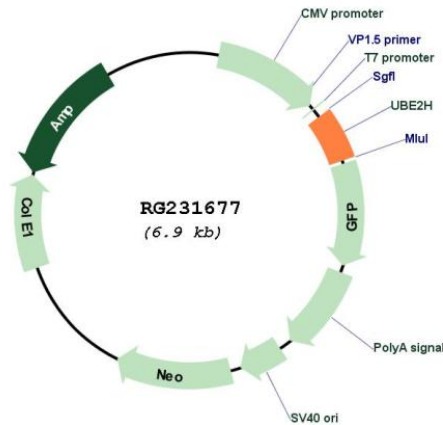
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001202498

ORF Size: 339 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).
Reconstitution Method:	<ol style="list-style-type: none">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:	NM_001202498.2
RefSeq Size:	4778 bp
RefSeq ORF:	342 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]