

## Product datasheet for **RG225143**

### HIP2 (UBE2K) (NM\_001111112) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HIP2 (UBE2K) (NM\_001111112) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** UBE2K  
**Synonyms:** E2-25K; HIP2; HYPG; LIG; UBC1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225143 representing NM\_001111112  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAACATCGCGGTGCAGCGAATCAAGCGGGAGTTCAAGGAGGTGCTGAAGAGCGAGGAGACGAGCA  
AAAATCAAATTAAGTAGATCTTGTAGATGAGAATTTTACAGAATTAAGAGGAGAAATAGCAGGACCTCC  
AGACACACCATATGAAGGAGGAAGATACCAACTAGAGATAAAAAACCAGAAACATACCCATTTAATCCC  
CCTAAGGTCCGGTTTACTACTAAAATATGGCATCCTAATATTAGTCCGTCACAGGGGCTATTTGTTGG  
ATATCCTGAAAGATCAATGGGCAGCTGCAATGACTCTCCGCACGGTATTATTGTCATTGCAAGCACTATT  
GGCAGCTGCAGAGCCAGATGATCCACAGGATGCTGTAGTAGCAAATCAGAATGCAGTAATAGTGGCCTTG  
TCTTCAAATCATGGGATGTAGAGACTGCAACAGAATTGCTTCTGAGTAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG225143 representing NM\_001111112  
Red=Cloning site Green=Tags(s)

MANIAVQRIKREFKEVLKSEETSKNQIKVDLVDFTELKQVAAAMTLRVTLLSLQALLAAEPDDPQDAVVANQNAIVAL  
SSKSWDVETATELLLSN

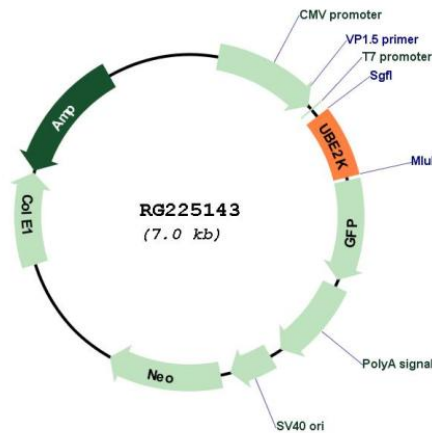
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001111112

**ORF Size:** 471 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001111112.2</a>
<b>RefSeq Size:</b>	5130 bp
<b>RefSeq ORF:</b>	474 bp
<b>Locus ID:</b>	3093
<b>UniProt ID:</b>	<a href="#">P61086</a>
<b>Cytogenetics:</b>	4p14
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]