

Product datasheet for **RG225127**

HIP2 (UBE2K) (NM_001111113) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HIP2 (UBE2K) (NM_001111113) 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: >RG225127 representing NM_001111113
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAACATCGCGGTGCAGCGAATCAAGCGGGAGTTCAAGGAGGTGCTGAAGAGCGAGGAGGTCGGT
TTACTACTAAAATATGGCATCCTAATATTAGTTCGTCACAGGGGCTATTTGTTGGATATCCTGAAAGA
TCAATGGGCAGCTGCAATGACTCTCCGCACGGTATTATTGTCATTGCAAGCACTATTGGCAGCTGCAGAG
CCAGATGATCCACAGGATGCTGTAGTAGCAAATCAGTACAAACAAAATCCCGAAATGTTCAAACAGACAG
CTCGACTTTGGGCACATGTGTATGCTGGAGCACCAGTTTCTAGTCCAGAATACACCAAAAAATAGAAAA
CCTATGTGCTATGGGCTTTGATAGGAATGCAGTAATAGTGGCCTTGCTCTCAAAATCATGGGATGTAGAG
ACTGCAACAGAATTGCTTCTGAGTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225127 representing NM_001111113
Red=Cloning site Green=Tags(s)

MANIAVQRIKREFKEVLKSEEVRFITKIWHPNISSVTGAICLDILKDQWAAAMTLRTVLLSLQALLAAAE
PDDPQDAVYANQYKQNPENFKQARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVE
TATELLLSN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<u>NM_001111113.2</u>
RefSeq Size:	5106 bp
RefSeq ORF:	450 bp
Locus ID:	3093
UniProt ID:	<u>P61086</u>
Cytogenetics:	4p14
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	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]