

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 UBE2K Symbol: Synonyms: E2-25K; HIP2; HYPG; LIG; UBC1 Mammalian Cell Neomycin Selection: Vector: pCMV6-AC-GFP (PS100010) E. coli Selection: Ampicillin (100 ug/mL) **ORF** Nucleotide >RG225127 representing NM_001111113 Red=Cloning site Blue=ORF Green=Tags(s) Sequence: TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCAACATCGCGGTGCAGCGAATCAAGCGGGAGTTCAAGGAGGTGCTGAAGAGCGAGGAGGTCCGGT TCAATGGGCAGCTGCAATGACTCTCCGCACGGTATTATTGTCATTGCAAGCACTATTGGCAGCTGCAGAG CTCGACTTTGGGCACATGTGTATGCTGGAGCACCAGTTTCTAGTCCAGAATACACCAAAAAAATAGAAAA CCTATGTGCTATGGGCTTTGATAGGAATGCAGTAATAGTGGCCTTGTCTTCAAAATCATGGGATGTAGAG ACTGCAACAGAATTGCTTCTGAGTAAC ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA >RG225127 representing NM_001111113 **Protein Sequence:** Red=Cloning site Green=Tags(s) MANIAVQRIKREFKEVLKSEEVRFITKIWHPNISSVTGAICLDILKDQWAAAMTLRTVLLSLQALLAAAE PDDPQDAVVANQYKQNPEMFKQTARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVE TATELLLSN TRTRPLE - GFP Tag - V **Restriction Sites:** Sgfl-Mlul



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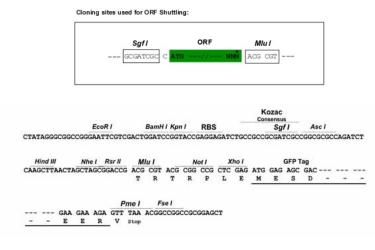
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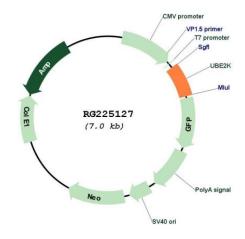
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Cloning Scheme:



Plasmid Map:



ACCN:	NM_001111113
ORF Size:	447 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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ORIGENE HIP2 (UBE2K) (NM_001111113) Human Tagged ORF Clone – RG225127	
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	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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]

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