

Product datasheet for RC225127

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: Myc-DDK
Symbol: HIP2
Synonyms: E2-25K; HIP2; HYPG; LIG; UBC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225127 representing NM_001111113
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAACATCGCGGTGCAGCGAATCAAGCGGGAGTTCAAGGAGGTGCTGAAGAGCGAGGAGTCCGGT
TTATCACTAAAATATGGCATCCTAATATTAGTTCGTCACAGGGGCTATTTGTTGGATCCTGAAAGA
TCAATGGCAGCTGCAATGACTCTCCGCACGGTATTATTGTCATTGCAAGCACTATTGGCAGCTGCAGAG
CCAGATGATCCACAGGATGCTGTAGTAGCAAATCAGTACAAACAAAATCCCGAAATGTTCAAACAGACAG
CTCGACTTTGGGCACATGTGTATGCTGGAGCACCAGTTTCTAGTCCAGAATACACCAAAAAATAGAAAA
CCTATGTGCTATGGGCTTTGATAGGAATGCAGTAAATAGTGCCTTGCTCTCAAAATCATGGGATGTAGAG
ACTGCAACAGAATTGCTTCTGAGTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225127 representing NM_001111113
Red=Cloning site Green=Tags(s)

MANIAVQRIKREFKEVLKSEEVRFITKIWHPNISSVTGAIICLDILKDQWAAAMTLRVLVLLSLQALLAAAE
PDDPQDAVVANQYKQNPENMFQTARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVE
TATELLSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1456_f01.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



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. [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:

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_001111113.2](#)

RefSeq ORF: 450 bp

Locus ID: 3093

UniProt ID: [P61086](#)

Cytogenetics: 4p14

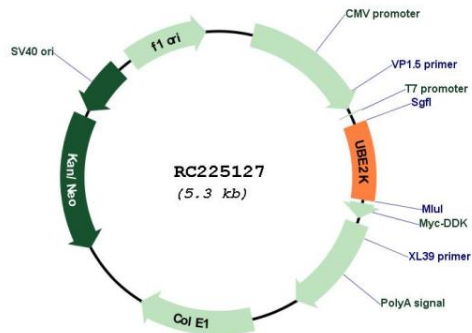
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Ubiquitin mediated proteolysis

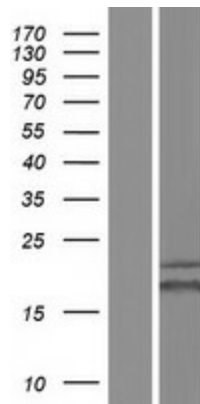
MW: 16.4 kDa

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]

Product images:



Circular map for RC225127



Western blot validation of overexpression lysate (Cat# [LY426354]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225127 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).