

UBE2K cDNA

Catalog Number: ATGD0256

PRODUCT INFORMATION

Catalog number

ATGD0256

Product type

cDNA

Species

Human

NCBI Accession No.

NP_005330.1

Alternative Names

Ubiquitin-conjugating enzyme E2 K isoform 1, E2-25K, HIP2, HYPG, LIG, UBC1

mRNA Refseq

NM_005339.4

OMIM

602846

Chromosome location

4p14

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

603bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

UBE2K cDNA

Catalog Number: ATGD0256

UBE2K encoded by this gene belongs to the ubiquitin-conjugating enzyme family. UBE2K interacts with RING finger proteins, and it can ubiquitinate huntingtin, UBE2K product for Huntington's disease. Known functions for UBE2K 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.

DATA

Sequence nucleotides

```
ATGGCCAACATCGCGGTGCAGCGAATCAAGCGGGAGTTCAAGGAGGTGCTGAAGAGCGAGGAGACGAGCAAAAATCAAAT
TAAAGTAGATCTTGTAGATGAGAATTTTACAGAATTAAGAGGAGAAATAGCAGGACCTCCAGACACACCATATGAAGGAGGA
AGATACCAACTAGAGATAAAAAATACCAGAAACATACCCATTTAATCCCCCTAAGGTCCGGTTTATCACTAAAATATGGCATCC
TAATATTAGTTCCGTCACAGGGGCTATTTGTTTGGATATCCTGAAAGATCAATGGGCAGCTGCAATGACTCTCCGCACGGTA
TTATTGTCATTGCAAGCACTATTGGCAGCTGCAGAGCCAGATGATCCACAGGATGCTGTAGTAGCAAATCAGTACAAACAAA
ATCCCGAAATGTTCAAACAGACAGCTCGACTTTGGGCACATGTGTATGCTGGAGCACCAGTTTCTAGTCCAGAATACACCAA
AAAAATAGAAAACCTATGTGCTATGGGCTTTGATAGGAATGCAGTAATAGTGGCCTTGTCTTCAAATCATGGGATGTAGAG
ACTGCAACAGAATTGCTTCTGAGTAACTGA
```

Transaction Sequence

```
MANIAVQRIK REFKEVLKSE ETSKNQIKVD LVDENFTLR GEIAGPPDTP YEGGRYQLEIKIPETYPFNP PKVRFITKIW
HPNISSVTGA ICLDILKDQW AAAMTLRTVL LSLQALLAAAEPPDPQDAVV ANQYKQNPEN FKQTARLWAH VYAGAPVSSP
EYTKKIENLC AMGFDRNAVIVALSSKSWDV ETATELLLSN
```