

Product datasheet for **RC202473**

UBE2D4 (NM_015983) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2D4 (NM_015983) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UBE2D4
Synonyms: HBUCE1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202473 representing NM_015983
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGTAAAGCGGATCCAGAAGGAATTAACCGACTTGCAGAGGGATCCTCCTGCCAGTGTCTGCAG
GACCTGTCGGTGATGACTTGTTCCACTGGCAGGCCACCATCATGGGCCGAATGACAGTCCTTACCAAGG
AGGTGTTTTCTTCTGACCATCCACTTTCCTACAGATTACCCGTTCAAGCCCCAAAGTTGCTTTCACA
ACCAAAATTTATACCCTAATATCAACAGCAATGGCAGCATCTGCCTTGATATCCTCGGGTCTCAGTG
CTCCAGCGTTGACTGTGTCAAAGTTCTCTTGCCATCTGCTCGCTGCTGCGACCCCAACCCCGATGA
CCCCTGGTGCCAGAGATAGCACACACCTACAAGCCGACAGAGAGAAGTACAACAGACTAGCAAGAGAG
TGGACACAAAAATATGCTATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202473 representing NM_015983
Red=Cloning site Green=Tags(s)
MAVKRIQKELTDLQRDPPAQCSAGPVGDDLFWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFT
TKIYHPNINSNGSICLDILRSQWSPALTVSKVLLSICSLLCDPNPDDPLVPEIAHTYKADREKYNRLARE
WTQKYAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2903_d07.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015983

ORF Size: 441 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_015983.4](#)

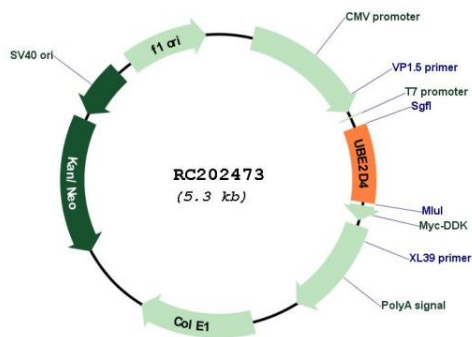
RefSeq Size: 1398 bp

RefSeq ORF: 444 bp

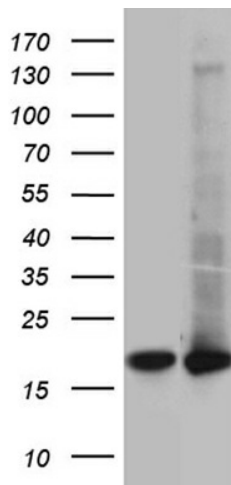
Locus ID: 51619

UniProt ID: [Q9Y2X8](#)
Cytogenetics: 7p13
Domains: UBCc
Protein Pathways: Ubiquitin mediated proteolysis
MW: 16.5 kDa
Gene Summary: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11' and 'Lys-48'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function]

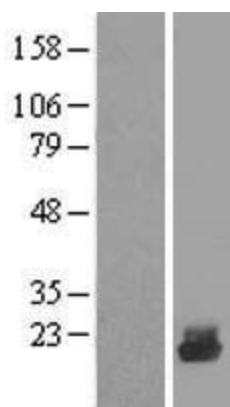
Product images:



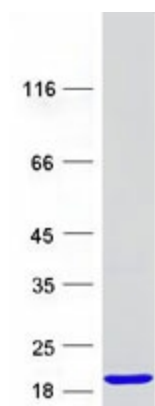
Circular map for RC202473



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY UBE2D4 (Cat# RC202473, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UBE2D4 (Cat# [TA810786])(1:2000). Positive lysates [LY414273] (100ug) and [LC414273] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY414273]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202473 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBE2D4 protein (Cat# [TP302473]). The protein was produced from HEK293T cells transfected with UBE2D4 cDNA clone (Cat# RC202473) using MegaTran 2.0 (Cat# [TT210002]).