

Product datasheet for **RG202473**

UBE2D4 (NM_015983) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2D4 (NM_015983) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UBE2D4
Synonyms: HBUCE1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202473 representing NM_015983
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTAAAGCGGATCCAGAAGGAATTAACCGACTTGCAGAGGGATCCTCCTGCCAGTGTCTGCAG
GACCTGTCGGTGATGACTTGTCCACTGGCAGGCCACCATCATGGGCCGAATGACAGTCCTTACCAAGG
AGGTGTTTTCTCCTGACCATCCACTTTCCTACAGATTACCCGTTCAAGCCCCAAAGTTGCTTTCACA
ACCAAAATTTATACCCTAATATCAACAGCAATGGCAGCATCTGCCTTGATATCCTGCGGTCTCAGTGGT
CTCCAGCGTTGACTGTGTCAAAGTTCTCTTGCCATCTGCTCGCTGCTGCGACCCCAACCCGATGA
CCCCTGGTGCCAGAGATAGCACACACCTACAAGGCCGACAGAGAGAAGTACAACAGACTAGCAAGAGAG
TGGACACAAAAATATGCTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202473 representing NM_015983
Red=Cloning site **Green**=Tags(s)

MALKRIQKELTDLQRDPPAQCSAGPVGDDLFWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFT
TKIYHPNINSNGSICLDILRSQWSPALTVSKVLLSICSLLCDPNPDDPLVPEIAHTYKADREKYNRLARE
WTQKYAM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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

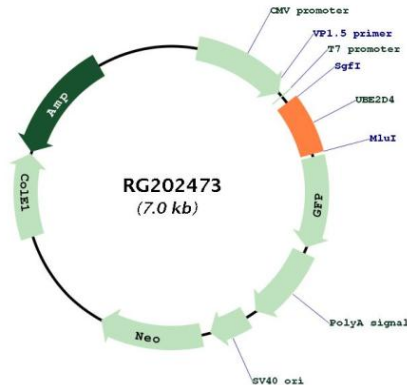
RefSeq ORF: 444 bp

Locus ID: 51619

UniProt ID: [Q9Y2X8](#)

Cytogenetics: 7p13
Domains: UBCc
Protein Pathways: Ubiquitin mediated proteolysis
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 RG202473