

Product datasheet for **RG204787**

UBE2E2 (NM_152653) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2E2 (NM_152653) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UBE2E2
Synonyms: UBCH8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204787 representing NM_152653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCACTGAGGCACAAAGAGTTGATGACAGTCCAAGCACTAGTGGAGGAAGTCCGATGGAGATCAAC
 GTGAAAGTGTTCAGCAAGAACCAGAAAGAGAACAAGTTTCAGCCCAAGAAAAGGAGGGAAAAATATCCAG
 CAAAACCGCTGCTAAATTGTCACTAGTGCTAAAAGAATTCAGAAGGAACCTGCAGAAATCACATTGGAC
 CCTCTCCCAACTGTAGTGCTGGACCCAAAGGAGACAACATTTATGAATGGAGGTCACTATATTGGGAC
 CCCAGGATCTGTCTATGAAGGAGGGTGTCTTTCTTGACATTACCTTTTCACCAGACTATCCGTTTAA
 ACCCCCTAAGGTTACCTCCGAACAAGAATCTATCACTGTAATATTAACAGCCAAGGTGTGATCTGTCTG
 GACATCTTAAAGGACAACCTGGAGTCCGGCTTAACTATTTCTAAAAGTTCTCCTCTCCATCTGCTCACTTC
 TTACAGATTGCAACCTGCTGACCCTCTGGTGGGAGCAGATCGCCACACAGTACATGACCAACAGAGCAGA
 GCATGACCGGATGGCCAGACAGTGGACCAAGCGGTACGCCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204787 representing NM_152653
 Red=Cloning site Green=Tags(s)

MSTEAQRVDDSPSTSGGSSDGDQRESVQQEPEREQVQPKKKEGKISSKTAAKLSTSAKRIQKELAEITLD
 PPPNCSAGPKGDNIYEWSTILGPPGSVYEGGVFLDITFSPDYPFKPPKVTFRTRIIYHCNINSQGVICL
 DILKDNWSPALTIKVLLSICSLLDTCNPADPLVGSIAQYMTNRAEHRMARQWTKRYAT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_152653

ORF Size: 603 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_152653.4](#)

RefSeq Size: 1541 bp

RefSeq ORF: 606 bp

Locus ID: 7325

UniProt ID: [Q96LR5](#)

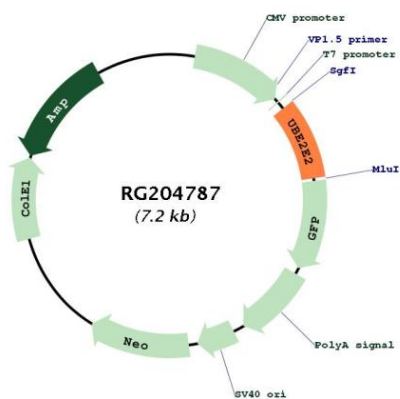
Cytogenetics: 3p24.3

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 catalyzes 'Lys-11'- and 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination. Catalyzes the ISGylation of influenza A virus NS1 protein.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204787