

Product datasheet for **RG208780**

UBE2L3 (NM_003347) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2L3 (NM_003347) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UBE2L3
Synonyms: E2-F1; L-UBC; UBCH7; UbcM4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208780 representing NM_003347
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCAGCAGGAGGCTGATGAAGGAGCTTGAAGAAATCCGCAAATGTGGGATGAAAACTCCGTA
ACATCCAGGTTGATGAAGCTAATTTATTGACTTGGCAAGGGCTTATTGTTCTGACAACCTCCATATGA
TAAGGGAGCCTTCAGAAATCGAAATCACTTTCCAGCAGAGTACCCATTCAAACCACCGAAGATCACATTT
AAAACAAAGATCTATCACCCAAACATCGACGAAAAGGGCAGGTCTGTCTGCCAGTAATTAGTGCCGAAA
ACTGGAAGCCAGCAACCAAAACCGACCAAGTAATCCAGTCCCTCATAGCACTGGTGAATGACCCCGCC
TGAGCACCGCTTCGGGCTGACCTAGCTGAAGAATACTCTAAGGACCGTAAAAAATCTGTAAGAATGCT
GAAGAGTTTACAAAGAAATATGGGGAAAAGCGACCTGTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208780 representing NM_003347
Red=Cloning site Green=Tags(s)

MAASRRLMKELEEIRKCGMKNFRNIQVDEANLLTWQGLIVPDNPPYDKGAFRIEINFPAEYFPKPKITF
KTKIYHPNIDEKGQVCLPVISAENWKPATKTDQVIQSLIALVNDPQPEHPLRADLAEYSKDRKFKCKNA
EEFTKKYGEKRPVD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_003347

ORF Size: 462 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_003347.4](#)

RefSeq Size: 2907 bp

RefSeq ORF: 465 bp

Locus ID: 7332

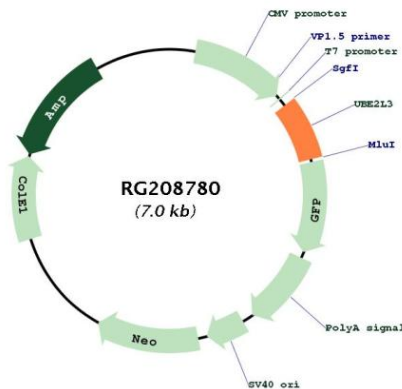
UniProt ID: [P68036](#)

Cytogenetics: 22q11.21

Protein Pathways: Parkinson's disease, Ubiquitin mediated proteolysis

Gene Summary: The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is demonstrated to participate in the ubiquitination of p53, c-Fos, and the NF-kB precursor p105 in vitro. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2009]

Product images:



Circular map for RG208780