

Product datasheet for **RC208780**

UBE2L3 (NM_003347) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2L3 (NM_003347) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UBE2L3
Synonyms: E2-F1; L-UBC; UBCH7; UbcM4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC208780 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCCAGCAGGAGGCTGATGAAGGAGCTTGAAGAAATCCGCAATGTGGGATGAAAACTCCGTA
 ACATCCAGGTTGATGAAGCTAATTTATTGACTTGGCAAGGGCTTATTGTTCTGACAACCTCCATATGA
 TAAGGGAGCCTTCAGAATCGAAATCACTTTCCAGCAGAGTACCCATTCAAACCACCGAAGATCACATTT
 AAAACAAAGATCTATACCCAAACATCGACGAAAAGGGCAGGTCTGTCTGCCAGTAATTAGTGCCGAAA
 ACTGGAAGCCAGCAACCAAAACCGACCAAGTAATCCAGTCCCTCATAGCACTGGTGAATGACCCCGAGCC
 TGAGCACCCGCTTCGGGCTGACCTAGCTGAAGAATACTCTAAGGACCGTAAAAAATCTGTAAGAATGCT
 GAAGAGTTTACAAAGAAATATGGGGAAAAGCGACCTGTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208780 protein sequence
 Red=Cloning site Green=Tags(s)

MAASRRLMKELEEIRKCGMKNFRNIQVDEANLLTWQGLIVPDNPPYDKGAFRIEINFPAYPFKPPKITF
 KTKIYHPNIDEKGQVCLPVISAENWKPATKTDQVIQSLIALVNDPQPEHPLRADLAEEYSKDRKKFKCKNA
 EEFTKKYGEKRPVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6092_c06.zip



View online »

Restriction Sites: SgfI-MluI

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003347.4](#)

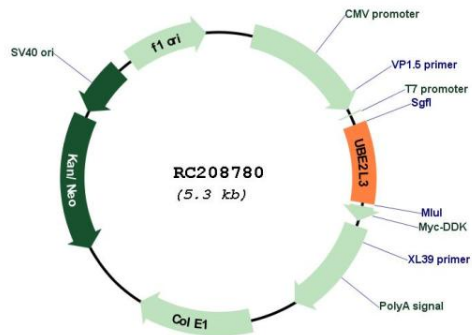
RefSeq Size: 3028 bp

RefSeq ORF: 465 bp

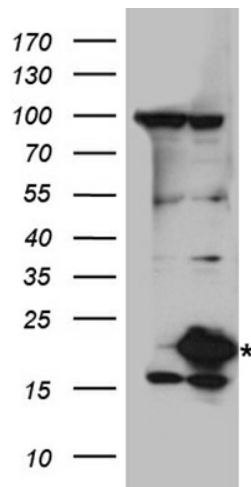
Locus ID: 7332
UniProt ID: [P68036](#)
Cytogenetics: 22q11.21
Protein Pathways: Parkinson's disease, Ubiquitin mediated proteolysis
MW: 17.9 kDa

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]

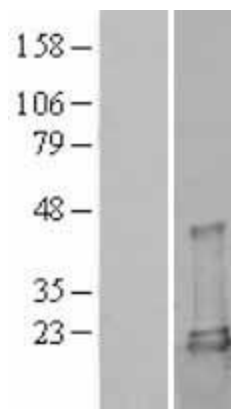
Product images:



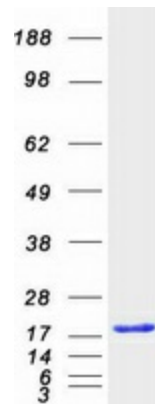
Circular map for RC208780



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY UBE2L3 (Cat# RC208780, 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-UBE2L3 antibody (Cat# [TA890154]). Positive lysates [LY401144] (100ug) and [LC401144] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY401144]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208780 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBE2L3 protein (Cat# [TP308780]). The protein was produced from HEK293T cells transfected with UBE2L3 cDNA clone (Cat# RC208780) using MegaTran 2.0 (Cat# [TT210002]).