

## Product datasheet for RC219392

### UBE2J2 (NM\_194458) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UBE2J2 (NM\_194458) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** UBE2J2  
**Synonyms:** NCUBE-2; NCUBE2; PRO2121  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC219392 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCCCTTATGAAGGTGGCTATTATCATGGAAACTAATTTTTCCAGAGAATTCCTTTCAAACCTC  
 CCAGTATCTATATGATCACTCCCAACGGGAGGTTAAGTGCAACACCAGGCTGTGTCTTTCTATCACGGA  
 TTTCCACCGGACACGTGGAACCCGGCCTGGTCTGTCTCCACCATCTGACTGGGCTCCTGAGCTTCATG  
 GTGGAGAAGGGCCCCACCCTGGCAGTATAGAGACGTCGGACTTCACGAAAAGACAACCTGGCAGTGCAGA  
 GTTTAGCATTTAATTTGAAAGATAAAGTCTTTTGTGAATTATTTCTGAAGTCGTGGAGGAGATTAACA  
 AAAACAGAAAGCACAAGACGAACCTCAGTAGCAGACCCAGACTCTCCCCTTGCCAGACGTGGTCCAGAC  
 GGGGAGACGCACCTCGTCCAGAACGGGATTCAGCTGCTCAACGGGCATGCGCCGGGGCCGTCCCAAACC  
 TCGCAGGGCTCCAGCAGGCCAACCCGGCACCACGGACTCCTGGGTGGCGCCTGGCGAACTTGTTTGTGAT  
 AGTTGGGTTTGCAGCCTTTGCTTACACGGTCAAGTACGTGCTGAGGAGCATCGCGCAGGAG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC219392 protein sequence  
 Red=Cloning site Green=Tags(s)

MTPYEGGYHGLIFPREFFKPPSIYMITPNGRFKCNTRLCLSIDFHPDTWNPWSVSTILTGLLSFM  
 VEKGPTLGSIEISDFTKRQLAVQSLAFNLKDKVFCELFPEVVVEIKQKQKAQDELSSRPQTLPLPDVVPD  
 GETHLVQNGIQLLNHAPGAVPNLAGLQANRHHGLLGGALANLFFVIVGFAAFAYTVKYVLRSLIAQE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6368\\_c09.zip](https://cdn.origene.com/chromatograms/mk6368_c09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_194458

**ORF Size:** 621 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 Size:** 2396 bp

**RefSeq ORF:** 624 bp

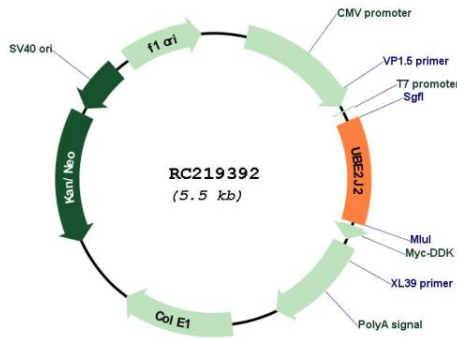
**Locus ID:** 118424

**UniProt ID:** [Q8N2K1](#)

**Cytogenetics:** 1p36.33  
**Protein Families:** Transmembrane  
**Protein Pathways:** Parkinson's disease, Ubiquitin mediated proteolysis  
**MW:** 22.9 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, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is located in the membrane of the endoplasmic reticulum. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC219392