

Product datasheet for **RC223522**

UBE2J2 (NM_058167) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2J2 (NM_058167) 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: >RC223522 representing NM_058167
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCAGCACCAGCAGTAAGAGGGCTCCGACCACGGCAACCCAGAGGCTGAAGCAGGACTACCTTCGCA
TTAAGAAAGACCCGGTGCCTTACATCTGTGCCGAGCCCCCTCCCTCGAATATTCTCGAGTGGCACTATGT
CGTCCGAGGCCAGAGATGACCCCTTATGAAGGTGGCTATTATCATGGAAAATAATTTTTCCAGAGAA
TTTCCTTTCAAACCTCCAGTATCTATATGATCACTCCCAACGGGAGTTTAAGTGAACACCAGGCTGT
GTCTTTCTATCACGGATTTCCACCCGGACACGTGGAACCCGGCCTGGTCTGTCTCCACCATCCTGACTGG
GCTCCTGAGCTTCATGGTGGAGAAGGGCCCCACCTGGGCAATAGAGACGTCGGACTTCACGAAAAGA
CAACTGGCAGTGCAGAGTTTAGCATTTAATTTGAAAGATAAAGTCTTTTGTGAATATTTCTGAAGTCG
TGGAGGAGATTAACAAAAACAGAAAGCACAAGACGAACCTCAGTAGCAGACCCCAGACTCTCCCCTTGCC
AGACGTGGTTCAGACGGGGAGACGCACCTCGTCCAGAACGGGATTCAGCTGCTCAACGGGCATGCGCCG
GGGGCCGTCCCAAACCTCGCAGGGCTCCAGCAGGCCAACCCGGCACACGGACTCCTGGGTGGCGCCCTGG
CGAACTTGTTTGATAGTTGGGTTTGCAGCCTTGGCTTACACGGTCAAGTACGTGCTGAGGAGCATCGC
GCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223522 representing NM_058167
Red=Cloning site Green=Tags(s)

MSSTSSKRAPTTATQRLKQDYLRRIKKDPVYPYICAEPLPSNILEWHYVVRGPEMTPYEGGYH GKLI FPRE
 FPFKPPSIYMITPNGRFKCNTRLCLSIDFHPDTWNPAWSVSTILTGLLSFMVEKGPTLGS IETSDFTKR
 QLAVQSLAFNLKDKVFCELFPEVVEEIKQKQKAQDELSSRPQTLPLPDVVPDGETHLVQNGIQLLNGHAP
 GAVPNLAGLQQANRHHGLLGGALANLFVIVGFAAFAYTVKYVLRISIAQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_058167

ORF Size: 777 bp

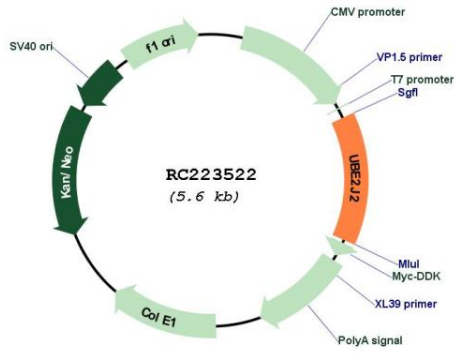
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<ol style="list-style-type: none">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_058167.3
RefSeq Size:	2267 bp
RefSeq ORF:	780 bp
Locus ID:	118424
UniProt ID:	Q8N2K1
Cytogenetics:	1p36.33
Domains:	UBCc
Protein Families:	Transmembrane
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis
MW:	28.7 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 RC223522