

## Product datasheet for **RG210527**

### UBE2J2 (NM\_194457) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2J2 (NM_194457) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBE2J2
Synonyms:	NCUBE-2; NCUBE2; PRO2121
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210527 representing NM_194457 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAGCACCAGCAGTAAGAGGGCTCCGACCACGGCAACCCAGAGGCTGAAGCAGGACTACCTTCGCA  
TTAAGAAAGACCCGGTGCCTTACATCTGTGCCGAGCCCCCTCCCTTCGAATATTCTCGAGTGGCACTATGT  
CGTCCGAGGCCAGAGATGACCCCTTATGAAGGTGGCTATTATCATGGAAAATAATTTTTCCAGAGAA  
TTTCCTTTCAAACCTCCAGTATCTATATGATCACTCCCAACGGGAGTTTAAGTGAACACCAGGCTGT  
GTCTTTCTATCACGGATTTCCACCCGGACACGTGGAACCCGGCCTGGTCTGTCTCCACCATCCTGACTGG  
GCTCCTGAGCTTCATGGTGGAGAAGGGCCCCACCTGGGCAGTATAGAGACGTCGGACTTCACGAAAAGA  
CAACTGGCAGTGCAGAGTTTAGCATTTAATTTGAAAGATAAAGTCTTTTGTGAATTATTTCTGAAGTCG  
TGGAGGAGATTAACAAAAACAGAAAGCACAAGACGAACTCAGTAGCAGACCCCAGACTCTCCCCTTGCC  
AGACGTGGTTCAGACGGGGAGACGCACCTCGTCCAGAACGGGATTCAGCTGCTCAACGGGCATGCGCCG  
GGGGCCGTCCAAACCTCGCAGGGCTCCAGCAGGCCAACCCGGCACCACGGACTCCTGGGTGGCGCCCTGG  
CGAACTTGTGGTATAGTTGGGTTTGCAGCCTTGGCTTACACGGTCAAGTACGTGCTGAGGAGCATCGC  
GCAGGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG210527 representing NM\_194457  
 Red=Cloning site Green=Tags(s)

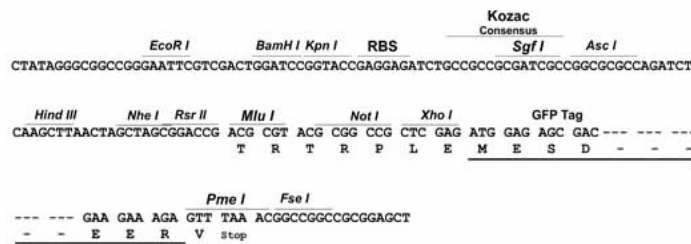
MSSTSSKRAPTTATQRLKQDYLRRIKKDPVPYICAEPLPSNILEWHYVVRGPEMTPYEGGYHGLIFPRE  
 FPFKPPSIYMITPNGRFKCNTRLCLSIDFHPDTWNPAWSVSTILTGLLSFMVEKGPTLGSJETSDFTKR  
 QLAVQSLAFNLKDKVFCLEFPEVVEEIKQKQKAQDELSSRPQTLPLPDVVPDGETHLVQNGIQLLNGHAP  
 GAVPNLAGLQQANRHHGLLGGALANLFVIVGFAAFAYTVKYVLRISIAQE

TRTRPLE - GFP Tag - V

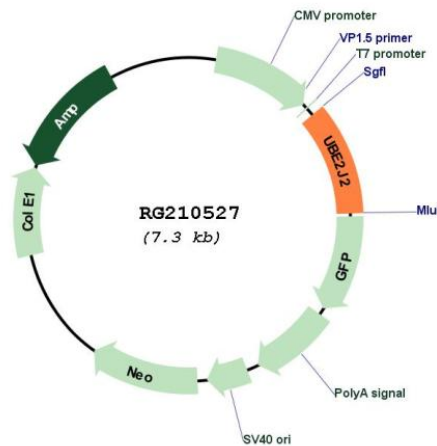
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_194457

**ORF Size:** 621 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_194457.1</a> , <a href="#">NP_919439.1</a>
<b>RefSeq Size:</b>	2136 bp
<b>RefSeq ORF:</b>	624 bp
<b>Locus ID:</b>	118424
<b>Cytogenetics:</b>	1p36.33
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Parkinson's disease, Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	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]