

Product datasheet for **RG223522**

UBE2J2 (NM_058167) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2J2 (NM_058167) 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:	>RG223522 representing NM_058167 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCACCAGCAGTAAGAGGGCTCCGACCACGGCAACCCAGAGGCTGAAGCAGGACTACCTTCGCA
TTAAGAAAGACCCGGTGCCTTACATCTGTGCCGAGCCCCCTCCCTCGAATATTCTCGAGTGGCACTATGT
CGTCCGAGGCCAGAGATGACCCCTTATGAAGGTGGCTATTATCATGGAAAATAATTTTCCAGAGAA
TTTCCTTTCAAACCTCCAGTATCTATATGATCACTCCCAACGGGAGTTTAAGTGAACACCAGGCTGT
GTCTTTCTATCACGGATTTCCACCCGGACACGTGGAACCCGGCCTGGTCTGTCTCCACCATCCTGACTGG
GCTCCTGAGCTTCATGGTGGAGAAGGGCCCCACCTGGGCAGTATAGAGACGTCGGACTTCACGAAAAGA
CAACTGGCAGTGCAGAGTTTAGCATTTAATTTGAAAGATAAAGTCTTTTGTGAATTATTTCTGAAGTCG
TGGAGGAGATTAACAAAAACAGAAAGCACAAGACGAACTCAGTAGCAGACCCCAGACTCTCCCCTTGCC
AGACGTGGTTCAGACGGGGAGACGCACCTCGTCCAGAACGGGATTCAGCTGCTCAACGGGCATGCGCCG
GGGGCCGTCCAAACCTCGCAGGGCTCCAGCAGGCCAACCCGGCACACGGACTCCTGGGTGGCGCCCTGG
CGAACTTGTTTGATAGTTGGGTTTGCAGCCTTGGCTACACGGTCAAGTACGTGCTGAGGAGCATCGC
GCAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223522 representing NM_058167
Red=Cloning site Green=Tags(s)

MSSTSSKRAPTTATQRLKQDYLRRIKKDPVPYICAEPLPSNILEWHYVVRGPEMTPYEGGYHGLIFPRE
 FPFKPPSIYMITPNGRFKCNTRLCLSIDFHPDTWNPAWSVSTILTGLLSFMVEKGPTLGSJETSDFTKR
 QLAVQSLAFNLKDKVFCLEFPEVVEEIKQKQKAQDELSSRPQTLPLPDVVPDGETHLVQNGIQLLNGHAP
 GAVPNLAGLQQANRRHHGLLGGALANLFVIVGFAAFAYTVKYVLRISIAQE

TRTRPLE - GFP Tag - V

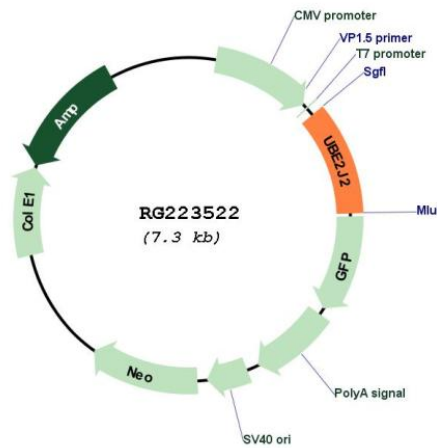
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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
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]