

Product datasheet for **MG203617**

Ube2j2 (NM_021402) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2j2 (NM_021402) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ube2j2
Synonyms:	1200007B18Rik; 2400008G19Rik; 5730472G04Rik; AL022923; NCUBE-2; Ubc6; Ubc6p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203617 representing NM_021402 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAATAACAGCAATAAGAGAGCTCCAACAACAGCAACACAAAGGTTGAAGCAGGACTACCTTCGAA
TTAAGAAAGACCCAGTGCCTTACATCTGTGCAGAGCCCCCTCCCTCAAATATTCTTGAATGGCATTATGT
TGTCCGAGGCCCTGAGATGACTCCTTATGAAGGTGGCTATTATCATGGAAAATAATTTTCCAGAGAA
TTTCCATTTAAGCCTCCTAGTATTTACATGATAACCCCAATGGAAGATTTAAGTGAACACAAGGCTGT
GTCTCTCCATCACAGATTTCCACCCAGATACATGGAATCCAGCGTGGTCCGTCTCCACCATTCTAACAGG
GCTCCTGAGCTTTATGGTGGAGAAAGGCCACCCTGGGAGCATAGAGACGTCGGACTTCACGAAAAAA
CAGCTGGCAGCACAGAGTCTAGTGTAAATTTAAAGATAAAAGTCTTTTGTGAATTTTCTGAAGTTG
TGGAGGAAATTAACAGAAACAGAAAGCACAAGATGAACTAAGTAACAGGCCCGAGAATCTTCTTTGCC
AGACGTGGTTCCTGATGGGGAGCTGCACCGTGGCCAGCATGGGATCCAGCTCCTCAATGGGCACGCACCC
GCTGCTGGCCCAACCTCGCTGGGCTCCACAGGCCAACAGGCATCACGGACTCCTGGCGGCGCGTTGG
CGAACTTGTTTGTATAGTTGGGTTTGCAGCCTTCGCCTACACGGTCAAGTACGTGCTGAGAAGCATAGC
ACAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203617 representing NM_021402
 Red=Cloning site Green=Tags(s)

MSNNSNKRAPTTATQRLKQDYLRRIKKDPVPYICAEPLPSNILEWHYVVRGPEMTPYEGGYHGLIFPRE
 FPFKPPSIYMITPNGRFKCNTRLCLSIDFHPDTWNPAWSVSTILTGLLSFMVEKGPTLGSJETSDFTKK
 QLAAQSLVFNLKDKVFCLEFPEVVEEIKQKQKAQDEL SNRPQNLPLPDVVPDGELHRGQHGIIQLNGHAP
 AAGPNLAGLPQANRHHGLLGGALANLFVIVGFAAFAYTVKYVLRISIAQE

TRTRPLE - GFP Tag - V

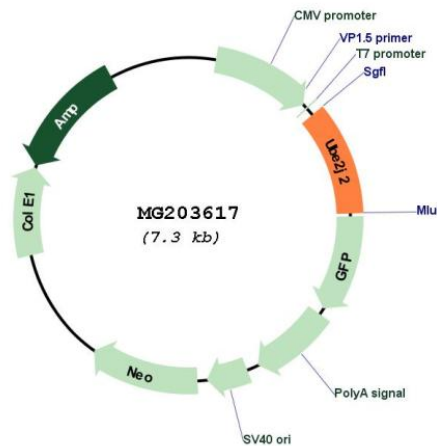
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_021402

ORF Size: 813 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_021402.5 , NP_067377.4
RefSeq Size:	3502 bp
RefSeq ORF:	816 bp
Locus ID:	140499
UniProt ID:	Q6P073
Cytogenetics:	4 87.66 cM
Gene Summary:	Catalyzes the covalent attachment of ubiquitin to other proteins. Seems to function in the selective degradation of misfolded membrane proteins from the endoplasmic reticulum (ERAD).[UniProtKB/Swiss-Prot Function]