

## Product datasheet for **MR224115**

### Ube2j2 (NM\_001039158) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube2j2 (NM\_001039158) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ube2j2  
**Synonyms:** 1200007B18Rik; 2400008G19Rik; 5730472G04Rik; AL022923; NCUBE-2; Ubc6; Ubc6p  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224115 representing NM\_001039158  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAATAACAGCAATAAGAGAGCTCCAACAACAGCAACACAAAGGTTGAAGCAGGACTACCTTCGAA  
TTAAGAAAGACCCAGTGCCTTACATCTGTGCAGAGCCCCCTCCCTCAAATATTCTTGAATGGCATTATGT  
TGTCGAGGCCCTGAGATGACTCCTTATGAAGGTGGCTATTATCATGGAAAATAATTTTCCAGAGAA  
TTTCCATTTAAGCCTCCTAGTATTTACATGATAACCCCAATGGAAGATTTAAGTGAACACAAGGCTGT  
GTCTCTCCATCACAGATTTCCACCCAGATACATGGAATCCAGCGTGGTCCGTCTCCACCATTCTAACAGG  
GCTCTGAGCTTTATGGTGGAGAAAGGCCCCACCTGGGGAGCATAGAGACGTCGGACTTCACGAAAAAA  
CAGCTGGCAGCACAGAGTCTAGTGTAAATTTAAAGATAAAAGTCTTTTGTGAATTTTCTGAAGTTG  
TGGAGGAAATTAACAGAAAACAGAAAGCACAAGATGAACTAAGTAACAGGCCCGAGAATCTTCTTTGCC  
AGACGTGGTTCTGATGGGGAGCTGCACCGTGGCCAGCATGGGATCCAGCTCCTCAATGGGCACGCACCC  
GCTGCTGGCCCCAACCTCGTGGGCTCCACAGGCCAACAGGCATCACGGACTCCTGGCGGGCGGTTGG  
CGAACTTGTTTGTATAGTTGGGTTTGCAGCCTTCGCCTACACGGTCAAGTACGTGCTGAGAAGCATAGC  
ACAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224115 representing NM\_001039158  
Red=Cloning site Green=Tags(s)

MSNNSNKRAPTTATQRLKQDYLRIKKDPVYICAEPLPSNILEWHYVVRGPEMTPYEGGYH GKLI FPRE  
 FPFKPPSIYMITPNGRFKCNTRLCLSIDFHPDTWNPAWSVSTILTGLLSFMVEKGPTLGS IETSDFTKK  
 QLAAQSLVFNLKDKVFCELFPEVVEEIKQKQKAQDEL SNRPQNLPLPDVVPDGELHRGQHGIQLLN GHAP  
 AAGPNLAGLPQANRHHGLLGGALANLFVIVGFAAFAYTVKYVLR SIAQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001039158

**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:**

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\\_001039158.2](#)

**RefSeq Size:** 3339 bp

**RefSeq ORF:** 780 bp

**Locus ID:** 140499

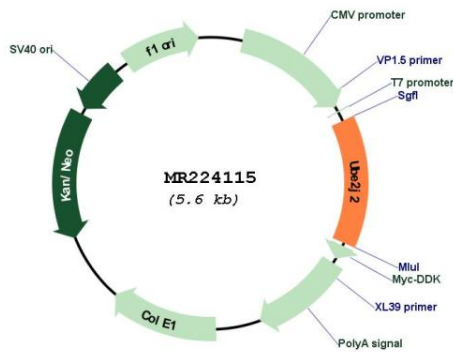
**UniProt ID:** [Q6P073](#)

**Cytogenetics:** 4 87.66 cM

**MW:** 29.4 kDa

**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]

**Product images:**



Circular map for MR224115