

## Product datasheet for **MR229932**

### **Uba3 (NM\_001301857) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Uba3 (NM_001301857) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uba3
Synonyms:	A830034N06Rik; AI256736; AI848246; AW546539; Ube1c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR229932 representing NM\_001301857  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCTGTTGATGGTGGGTGTTGGGGACACTGGAGACTGGGAAGGTCGCTGGAACCATGTAAGAAGTTCC  
 TCGAGCGTCTGGACCC TTCACACACCCCGATTT CGAACCAAGCACTGAATCACTCCAGTCTTGTTAGA  
 TACATGTAAGTCTAGTCATTGGAGCTGGTGGCTTAGGATGTGAGCTTCTGAAAAATCTGGCATTATCT  
 GGT TTTAGACAGATTCATGTTATAGACATGGACACTATAGATGTTTCCAATTTAAATAGACAGTTTTTAT  
 TTAGGCCATAAGATGTTGGAAGACCCAAGGCTGAAGTTGCTGCAGAATTCCTAAATGACAGAGTTCTTAA  
 CTGCAACGTGGTCCACATTTCAACAAGATTCAAGATTTTAACGACACTTCTACCGACAATTTCATATC  
 ATTGTATGTGGCCTGGACTCTATCATAGCGAGAAGATGGATCAATGGAATGCTGATATCTCTTCTAAATT  
 ATGAAGATGGTGTGTTGGATCCAAGCTCCATTGTACCTTTGATAGATGGGGGACAGAAGGCTTTAAAGG  
 GAATGCCCGAGTGATTTTGCCTGGAATGACCGCTTGATTGAGTGCCTGGAACCTTACCCACCACAG  
 GTCAATTTCCCATGTGTACCATTGCATCTATGCCTAGGCTCCGAGAACACTGTATCGAGTATGTGAGGA  
 TGGTGAATGGCCTAAAGAGCAGCCTTTTGAGATGGGGTTCCATTAGATGGAGATGACCCTGAACATAT  
 TCAGTGGATTTTCCAAAAGTCCATAGAGAGAGCATCACAATAAATATTAGAGGCGTTACCTACAGACTC  
 ACTCAAGGGTGGTAAAACGAATCATTCTGCAGTAGCTTCTACAAATGCAGTCATTGCAGCTGTGTGTG  
 CCACTGAGGTTTTCAAGTAGCTACAAGTGCCTACATTTCCCTTAATAACTACCTGGTATTCAATGATGT  
 AGATGGGCTGTACTTACAGTTTGAAGCAGAGAGAAAGGAAAAGTGTCCAGCATGTAGCCAATTCCT  
 CAAAACATTCAGTTTTCCCATCAGCTAAATTACAGGAGGCTTAGACTACCTAACCAACAGTGCCTCTC  
 TGCAAATGAAGTCTCCGGCTATCACAGCCACATTAGAGGGGAAGAACAGGACACTTACTACAGTCAGT  
 AACGCTATTGAAGAACGAACCGCCCAATCTTTCCAAAACATTAAGAAGAACTGGGACTAGTTGATGGA  
 CAAGAAGTGGCTGTTGCTGATGTCACTACACCACAGACTGTACTATTCAAACCTCATTCTTACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR229932 representing NM\_001301857  
 Red=Cloning site Green=Tags(s)

MAVDGGCGDWDWEGRWNHVKKFLERSGPFTHPDFEPSTESLQFLLDTCVKLVIGAGGLGCELLKNLALS  
 GFRQIHVIDMDTIDVSNLNRQFLFRPKDVGRPKAEVAAEFLNDRVPNCNVVPHFNKIQDFNDTFYRQFHI  
 IVCGLDSIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNARVILPGMTACIECTLELYPPQ  
 VNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFQGVPLDGGDPEHIQWIFQKSIERASQYNIRGVTYRL  
 TQGVVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNNYLVFNDVDGLYTYTFAERKENCPCASQLP  
 QNIQFSPSAKLQEVLDYLTNSASLQMKSPAITATLEGKNRTLYLQSVTSIEERTRPNLSKTLKELGLVDG  
 QELAVADVTTPTVLFKLHFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

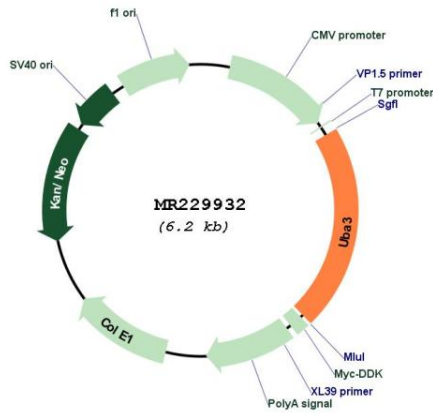
SgfI-MluI



**MW:** 49.2 kDa

**Gene Summary:** The protein encoded by this gene is the catalytic subunit of the enzyme that activates NEDD8, a ubiquitin-like molecule that binds to its target proteins through an enzymatic reaction analogous to ubiquitylation. Embryonic mice deficient for this protein die prior to implantation and display apoptosis of the inner cell mass. Trophoblastic cells cannot enter S phase, demonstrating that this gene is required for cell cycle progression during embryogenesis. Two pseudogenes have been found for this gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]

**Product images:**



Circular map for MR229932