

Product datasheet for **MG207032**

Uba3 (NM_011666) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uba3 (NM_011666) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uba3
Synonyms:	A830034N06Rik; AI256736; AI848246; AW546539; Ube1c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207032 representing NM_011666 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTTGATGGTGGGTGTGGGGACTGGAGACTGGGAAGTTCGCTGGAACCATGTAAGAAGTTCC
TCGAGCGGTCTGGACCCCTCACACACCCGATTTCGAACCAAGCACTGAATCACTCCAGTCTTGTGTA
TACATGTAAGTCTAGTCATTGGAGCTGGTGGCTTAGGATGTGAGCTTCTGAAAAATCTGGCATTATCT
GGTTTTAGACAGATTCATGTTATAGACATGGACACTATAGATGTTTCCAATTTAAATAGACAGTTTTTAT
TTAGGCCTAAAGATGTTGGAAGACCCAAGGCTGAAGTTGCTGCAGAATTCCTAAATGACAGAGTTCTAA
CTGCAACGTGGTCCCACATTTCAACAAGATTCAAGATTTAACGACACTTCTACCGACAATTTTCATATC
ATTGTATGTGGCCTGGACTCTATCATAGCGAGAAGATGGATCAATGGAATGCTGATATCTTCTAAATT
ATGAAGATGGTGTGTTGGATCCAAGCTCCATTGTACCTTTGATAGATGGGGGACAGAAGGCTTTAAAGG
GAATGCCCGAGTGATTTTGCCTGGAATGACCGCTTGATTTGAGTGCCTCTGGAACCTTACCACACAG
GTCAATTTCCCATGTGTACCATTGCATCTATGCCTAGGCTCCGAGAACACTGTATCGAGTATGTGAGGA
TGTTGCAATGGCCTAAAGAGCAGCCTTTTGGAGATGGGGTCCATTAGATGGAGATGACCCTGAACATAT
TCAGTGGATTTTCAAAAAGTCCATAGAGAGAGCATCACAATAAATATTAGAGGCGTTACCTACAGACTC
ACTCAAGGGTGGTAAAACGAATCATTCTGCAGTAGCTTCTACAAATGCAGTCAATTCAGCTGTGTGTG
CCTGAGGTTTTCAAGATAGTACAAGTGCATACATTCCCTTAATAACTACCTGGTATTCAATGATGT
AGATGGGCTGTACACTTACACGTTTGAAGCAGAGAGAAAAGGAAAAGTGTCCAGCATGTAGCCAATTCCT
CAAAACATTAGTTTTCCCATCAGCTAAATTACAGGAGGCTTACACTACCTAACCAACAGTGCTTCTC
TGCAAAATGAAGTCTCCGGCTATCACAGCCACATTAGAGGGGAAGAACAGGACACTTTACTTACAGTCAGT
AACGTCTATTGAAGAACGAACAGGCCAATCTTTCCAAAACATTTAAAGAAGTGGGACTAGTTGATGGA
CAAGAAGTGGCTGTTGCTGATGCTACTACACCACAGACTGACTATTCAAACCTTCATTTACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207032 representing NM_011666
 Red=Cloning site Green=Tags(s)

MAVDGGCGDGDWEGRWNHVKKFLERSGPFTHPDFEPSTESLQFLDTCVKLVIGAGGLGCELLKNLALS
 GFRQIHVIDMDTIDVSNLNRQFLFRPKDVGRPKAEVAAEFLNDRVPNCNVVPHFNKIQDFNDTFYRQFHI
 IVCGLDSIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNARVILPGMTACICTLELYPPQ
 VNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFQGDGVPDGDDEPHIQWIFQKSIERASQYNIRGVTYRL
 TQGVVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNLYLVFNDVDGLYTYTFAERKENCPCASQLP
 QNIQFSPSAKLQEVLDYLTNSASLQMKSPAITATLEGNRTLYLQSVTSIEERTRPNLSKTLKELGLVDG
 QELAVADVTTPTVLFKLHFT

TRTRPLE - GFP Tag - V

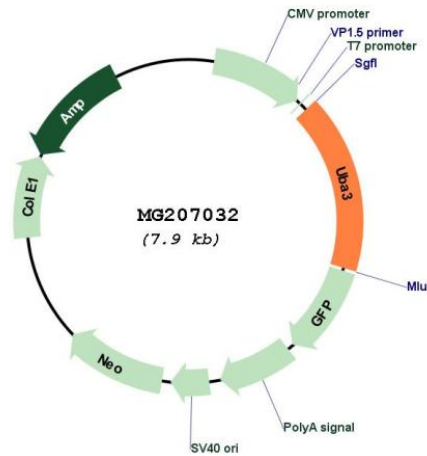
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_011666

ORF Size:	1323 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_011666.1 , NP_035796.1
RefSeq Size:	2117 bp
RefSeq ORF:	1389 bp
Locus ID:	22200
UniProt ID:	Q8C878
Cytogenetics:	6 D3
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 analagous 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]