OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR229684

Uba3 (NM_001301859) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uba3 (NM_001301859) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uba3
Synonyms:	A830034N06Rik; AI256736; AI848246; AW546539; Ube1c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229684 representing NM_001301859 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGGATGGCGAGGAGCCGGAGAAGAAAAGAAGGAGAATAGAGGAGCTGCTGGCTGAGAAAATGGCTG TTGATGGTGGGTGTGGGGACACTGGAGACTGGGAAGGTCGCTGGAACCATGTAAAGAAGTTCCTCGAGCG GTCTGGACCCTTCACACACCCCGATTTCGAACCAAGCACTGAATCACTCCAGTTCTTGTTAGATACATGT AAAGTTCTAGTCATTGGAGCTGGTGGCTTAGGATGTGAGCTTCTGAAAAATCTGGCATTATCTGGTTTTA GACAGATTCATGTTATAGACATGGACACTATAGATGTTTCCAATTTAAATAGACAGTTTTTATTTAGGCC TAAAGATGTCGGAAGACCCAAGGCTGAAGTTGCTGCAGAATTCCTAAATGACAGAGTTCCTAACTGCAAC GTGGTACCACATTTCAACAAGATACAAGATTTTAACGACACTTTCTACCGACAATTTCATATCATTGTAT GTGGCCTGGACTCTATCATAGCGAGAAGATGGATCAATGGAATGCTGATATCTCTTCTAAATTATGAAGA TGGTGTGTTGGATCCAAGCTCCATTGTACCTTTGATAGATGGGGGGACAGAAGGCTTTAAAGGGAATGCC CGAGTGATTTTGCCTGGAATGACCGCTTGTATTGAGTGCACTCTGGAACTTTACCCACCACAGGTCAATT TCCCCATGTGTACCATTGCATCTATGCCCAGGCTCCCAGAACACTGTATCGAGTATGTGAGGATGTTGCA ATGGCCTAAAGAGCAGCCTTTTGGAGATGGGGTTCCATTAGATGGAGATGACCCTGAACATATTCAGTGG ATTTTCCAAAAGTCCATAGAGAGAGCATCACAATATAATATTAGAGGCGTTACCTACAGACTCACTCAAG GGGTGGTAAAACGAATCATTCCTGCAGTAGCTTCTACAAATGCAGTCATTGCAGCTGTGTGTGCCACTGA GGTTTTCAAGATAGCTACAAGTGCGTACATTCCCCTTAATAACTACCTGGTATTCAATGATGTAGATGGG CTGTACACTTACACGTTTGAAGCAGAGAGAAAGGAAAACTGTCCAGCATGTAGCCAACTTCCTCAAAACA TTCAGTTTTCCCCATCAGCTAAACTACAGGAGGTCTTAGACTACCTAACCAACAGTGCTTCTCTG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

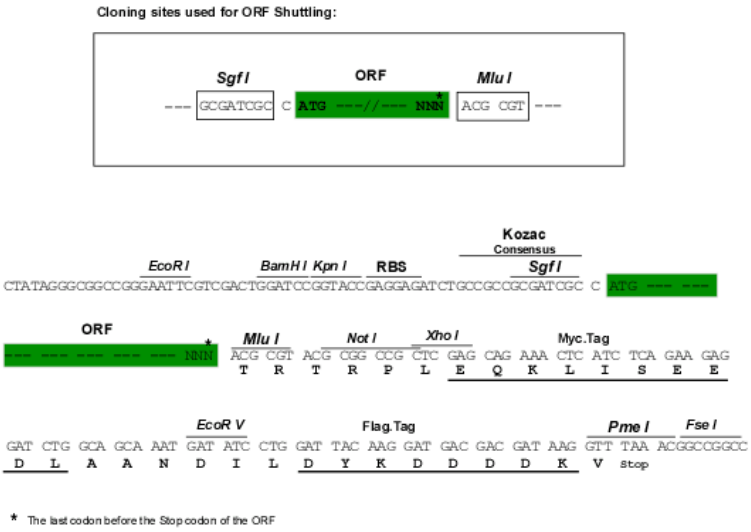
>MR229684 representing NM_001301859
Red=Cloning site Green=Tags(s)

MADGEEPEKKRRRIEELLAEKMAVDGGCGDTGDWEGRWNHVKKFLERSGPFTHPDFEPSTESLQFLLDTC
KVLVIGAGGLGCELLKNLALSGFRQIHVIDMDTIDVSNLNRQFLFRPKDVGRPKAEVAAEFLNDRVPNCN
VVPHFNKIQDFNDTFYRQFHIIVCGLDSIIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNA
RVILPGMTACIECTLELYPPQVNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFGDGVPLDGDDPEHIQW
IFQKSIERASQYNIRGVTYRLTQGVVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNNYLVFNDVDG
LYTYTFEAERKENCPACSQLPQNIQFSPSAKLQEVLDYLTNSASL

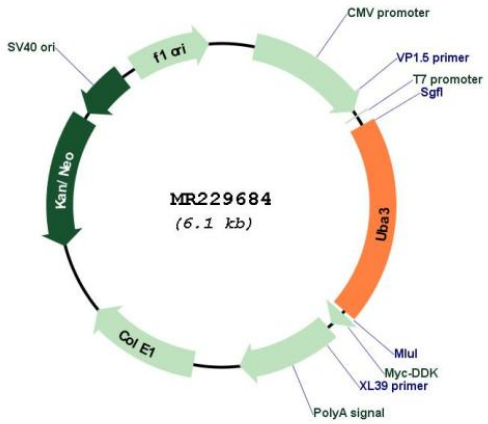
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301859

ORF Size:	1185 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_001301859.1, NP_001288788.1
RefSeq Size:	1361 bp
RefSeq ORF:	1188 bp
Locus ID:	22200
UniProt ID:	Q8C878
Cytogenetics:	6 D3
MW:	44.8 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 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]