

Product datasheet for **MR218638**

Uba3 (NM_001111106) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uba3 (NM_001111106) 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)



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ORF Nucleotide Sequence:

>MR218638 representing NM_001111106
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGATGGCGAGGAGCCAATGGCTGTTGATGGTGGGTGTGGGACACTGGAGACTGGGAAGGTCGCT
 GGAACCATGTAAAGAAGTTCCTCGAGCGGTCTGGACCCTTCACACACCCCGATTTGGAACCAAGCACTGA
 ATCACTCCAGTTCCTGTTAGATACATGTAAGTTCAGTCATTGGAGCTGGTGGCTTAGGATGTGAGCTT
 CTGAAAACTGGCATTATCTGGTTTTAGACAGATTATGTTATAGACATGGACACTATAGATGTTTCCA
 ATTTAAATAGACAGTTTTTATTTAGGCCTAAAGATGTCGGAAGACCCAAGGCTGAAGTTGCTGCAGAATT
 CCTAAATGACAGAGTTCCTAACTGCAACGTGGTACCACATTTCAACAAGATACAAGATTTTAAACGACT
 TTCTACCGACAATTCATATCATTGTATGTGGCCTGGACTCTATCATAGCGAGAAGATGGATCAATGGAA
 TGCTGATATCTTCTAAATTATGAAGATGGTGTGTTGGATCCAAGCTCCATTGTACCTTTGATAGATGG
 GGGGACAGAAGGCTTTAAAGGGAATGCCGAGTGATTTTGCCTGGAATGACCGCTTGTATTGAGTGCCT
 CTGGAACCTTACCACCACAGGCAATTTCCCATGTGTACCATTGCATCTATGCCCAGGCTCCCAGAAC
 ACTGTATCGAGTATGTGAGGATGTTGCAATGGCCTAAAGAGCAGCCTTTTGGAGATGGGGTTCATTAGA
 TGGAGATGACCCTGAACATATTCAGTGGATTTTCCAAAAGTCCATAGAGAGAGCATCACAAATAATATT
 AGAGGCGTTACCTACAGACTCACTCAAGGGTGGTAAAACGAATCATTCTGCAGTAGCTTCTACAAATG
 CAGTCATTGCAGCTGTGTGCCACTGAGGTTTTCAAGATAGCTACAAGTGCATACATCCCTTAATAA
 CTACCTGGTATTCATGATGTAGATGGCTGTACACTTACAGTTTGAAGCAGAGAGAAAAGGAAAAGTGT
 CCAGCATGTAGCCAACCTCCTCAAACATTCAGTTTTCCCATCAGCTAACTACAGGAGGCTTTAGACT
 ACCTAACCAACAGTGCTTCTCTGCAAATGAAGTCTCCGGCTATCACAGCCACATTAGAGGGGAAGAAC
 GACACTTTACTTACAGTCAGTAACGTCTATTGAAGAACGAACCAGGCCAATCTTTCCAAAACATTAATA
 GAACTGGGACTAGTTGATGGACAAGAACTGGCTGTTGCTGATGCTACTACACCACAGACTGTACTATTCA
 AACTTCATTTACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218638 representing NM_001111106
 Red=Cloning site Green=Tags(s)

MADGEEPMAVDGGCGDGDWEGRWNHVKKFLERSGPFTHPDFEPSTESLQFLLDTCKVLVIGAGGLGCEL
 LKNLALSGFRQIHVIDMTIDVSNLNRQFLFRPKDVGRPKAEVAEFLNDRVPNCNVVPHFNKIQDFNDT
 FYRQFHIIIVCGLDSIIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNARVILPGMTACIECT
 LELYPPQVNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFQDGVPLDGDDPEHIQWIFQKSIERASQYNI
 RGVTYRLTQGVVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNLYLVFNDVDGLYTYTFAERKENC
 PACSQLPQNIQFSPSAKLQEVLDYLTNSASLQMKSPAITATLEGKNRTLYLQSVTSIEERTRPNLSKTLK
 ELGLVDGQELAVADVTPQTIVLFLHFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001111106

ORF Size: 1344 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_001111106.2](#), [NP_001104576.1](#)

RefSeq Size: 2401 bp

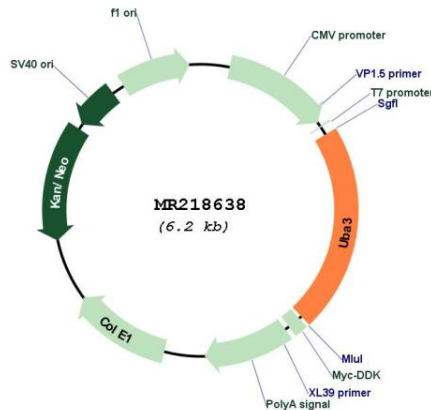
RefSeq ORF: 1347 bp

Locus ID: 22200

UniProt ID: [Q8C878](#)

Cytogenetics:	6 D3
MW:	50.4 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 MR218638