

## Product datasheet for **RR203642**

### Uba3 (NM\_057205) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uba3 (NM_057205) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uba3
Synonyms:	Ube1c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR203642 representing NM\_057205  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGATGGCGAGGAGCCGGAGAAGAAAAGAAGGAGAATAGAGGAGCTGCTGGCTGAGAAAATGGCTG  
 TTGATGGTGGGTGTGGGACACTGGAGACTGGGAAGTTCGCTGGAACCATGTAAGAAGTTCCTCGAGCG  
 GTCGGACCCTTACACACCCTGATTCGAACCGAGCACTGAATCACTCCAGTTCCTGTTAGATACATGT  
 AAAGTTCTAGTCATTGGAGCTGGTGGCTTAGGATGTGAGCTACTGAAAAATCTGGCATTGTCTGGTTTTA  
 GACAGATTCATGTTATAGACATGGACACTATAGATGTTTCCAATTTAAATAGGCAGTTTTTATTTAGGCC  
 TAAAGATGTTGGAAGACCAAGGCTGAAGTTGCTGCAGAATTCCTGAATGACAGAGTTCCTAACTGCAAC  
 GTGGTCCCACATTTCAACAAGATTCAAGATTTTAAACGACTTTCTACCGACAATTCATATTATCGTAT  
 GTGGCCTGGACTCTATCATAGCCAGGAGATGGATCAATGGAATGCTGATATCTCTTCTAAATTTATGAAGA  
 TGGTGTGTTGGATCCAAGCTCCATCGTACCTTTGATAGATGGGGGCACAGAAGGCTTTAAAGGGAATGCC  
 CGAGTGATTTTGCTGGAATGACCGCTTGATTGAGTGCCTCTGGAACCTTACCACCACAGGTCATTT  
 TCCCCATGTGTACCATTGCATCTATGCCAGGCTCCCAGAGCACTGTATCGAGTATGTAAGGATGTTGCA  
 GTGGCCTAAAGAGCAGCCTTTTGGAGATGGGGTCCATTAGACGGAGATGACCCTGAACATATTCAGTGG  
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 GGTTTTCAAGATAGCTACAAGTGCATACATCCCTTAATAATTACTTAGTATTCATGATGATGATGGA  
 CTGTACACTTACACATTTGAAGCAGAGAGAAAGGAGAAGTCCCTGCCTGTAGCCAGCTTCTCAAACA  
 TCCAGTCTCCCATCAGCTAACTGCAAGAGGTGTTAGACTATCTAACCAATAGTGCTTCTCTGCAAT  
 GAAGTCTCCAGCTATTACAGCCACATTAGAGGGGAAAAACAGGACTTTATTTACAGTCAGTAAGCTCT  
 ATTTGAAGAACGAACGAGACCGAATCTTTCCAAAACATTAAAAGAACTGGGACTAGTTGATGGACAAGAAC  
 TGGCTGTGCTGACGTCACCACACCACAACTGTACTATTCAAACCTCATTTTACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203642 representing NM\_057205  
 Red=Cloning site Green=Tags(s)

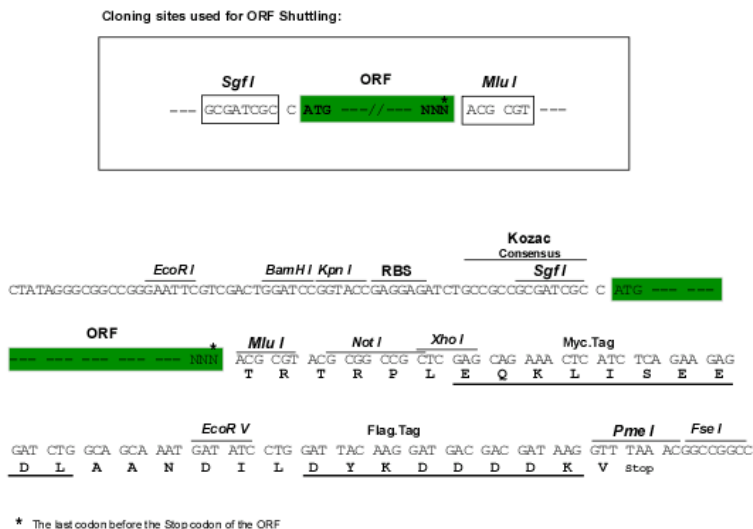
MADGEEPEKKRRRIEELLAEKMAVDGGCGDTGDWEGRWNVKFLERSGPFTHPDFEPSTESLQFLLDTC  
 KVLVIGAGGLGCELLKNLALSGFRQIHVIDMDTIDVSNLNRQFLFRPKDVGRPKAEVAAEFLNDRVPCN  
 VVPHFNKIQDFNDTFYRQFHIIIVCGLDSIIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNA  
 RVILPGMTACIECTLELYPPQVNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFQDGVPLDGDPEHIQW  
 IFQKSVERASQYNIRGVYRLTQGVVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNNYLVFNDVDG  
 LYTYTFAERKENCPACSQLPQNIQFSPSAKLQEVLDYLTNSASLQMKSPAITATLEGKNRTLYLQSVTS  
 IEERTRPNLSKTLKELGLVDGQELAVADVTPQTVLFLKLFHT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

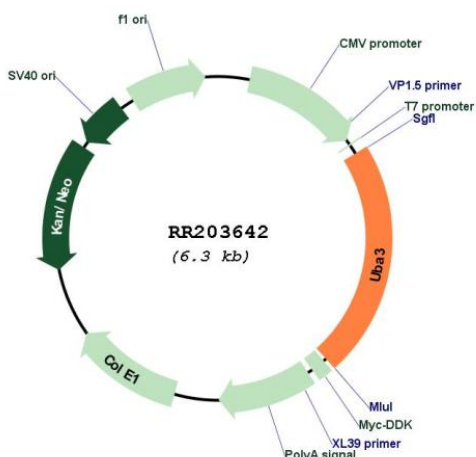
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_057205

**ORF Size:** 1386 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_057205.2</a> , <a href="#">NP_476553.1</a>
<b>RefSeq Size:</b>	2189 bp
<b>RefSeq ORF:</b>	1389 bp
<b>Locus ID:</b>	117553
<b>UniProt ID:</b>	<a href="#">Q99MI7</a>
<b>Cytogenetics:</b>	4q34
<b>MW:</b>	51.7 kDa
<b>Gene Summary:</b>	catalytic subunit of the activating enzyme of the ubiquitin-like NEDD8 conjugation pathway (known as neddylation); inhibits transcription induced by steroid hormone receptors [RGD, Feb 2006]