

## Product datasheet for RN206873

### Ubac1 (NM\_001007742) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubac1 (NM_001007742) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ubac1
Synonyms:	Ubadc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206873 representing NM_001007742 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTCGTGCAGGAGGAGAAGATCTTTGCGGGCAAGGTGCTTCGGCTGCACATCTGCGCAGCCGACGGCT  
CCGAGTGGCTGGAGGAGGCGACCGAGGACACATCGGTGGAGAAGCTCAAGGAGAGTTGCCTCAAACATGG  
TGCTCATGGGAGCCTAGAAGACCCCAAGAATGTGACTCACCATAAGTTAATACATGCTGCTTCAGAGAGG  
GTGCTGAGTGACAGCAAAACGATCTTGAAGAAAACATCCAGGACCAAGACGCTCTTGTATTGATAAAGA  
AGCGTGCTCCTTCCCAATCCCTAAGATGGCTGATGTCTCAGCAGAAGAAAAGAAGAAACAAGAGCAAAA  
GGCTCCAGACAAAGACGCTATTCTCGAGCAACGGCCAACCTGCCTGCCTGTAGCACGGACCGGACTGCT  
GTCCAGACCACCATGAGAGATTTCCAGACAGAACTCCGGAAGATCCTTGTGTCTCTCATTGAGGTGGCAC  
AGAAGCTGTTAGCACTGAATCCTGATGCAGTTGAATTGTTAAGAAGGCAAAATGCTATGTTGGATGAAGA  
CGAGGATGAGCGAGTGGATGAGACCGCCTTGGCGCAGCTCACAGAGATGGGCTTTCCTGAGAGCAGAGCC  
TCAAAGGCCCTTCGGCTGAACCACATGTCGGTGCCTCAGGCCATGGAGTGGCTGATTGAACATTCGGAAG  
ATCCAGCTATTGACACACCTCTCCAGGCCATGCCGCCAAGCGGAGGCGAGTGTGCAGCTGCCACCTC  
CTCCTCCTCCTCTGAAGCTGCCGTGGAACTAGTGTGAAGATGAGGAGTCCCGGGATGAGCTCACAGAA  
ATCTTCAAGAAGATACGCAGGAAAAGGAATTCGAGCCGATGCTCGGGCTGTCAATTCGCTGATGGAGA  
TGGGCTTTGATGAGAAGGAAGTATTGATGCCCTCCGAGTGAACAACAACCAGCAGAACCGAGCTTGTGA  
ATGGCTGTGGGGACCGGAAGCCATCCCTGAGGAGTTGGACAGGGCATCGATCCCAATAGCCCTCTC  
TTTCAGGCCATCCTGGACAACCCAGTGGTGCAGCTGGGTTTGACAAACCTAAGACATTGCTAGCATTTG  
AAGACATGCTGGAGAACCCACTTAACAGCACCCAGTGGATGAACGACCCAGAGACGGGCCCGTCTGCT  
GCAGATCTCGAGAATCTCCAGACACTGAATCGCACGT**AG**

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001007742
<b>Insert Size:</b>	1230 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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>	<u><a href="#">NM_001007742.1</a></u> , <u><a href="#">NP_001007743.1</a></u>
<b>RefSeq Size:</b>	1838 bp
<b>RefSeq ORF:</b>	1230 bp
<b>Locus ID:</b>	362087
<b>UniProt ID:</b>	<u><a href="#">Q5XIR9</a></u>
<b>Cytogenetics:</b>	3p13
<b>Gene Summary:</b>	Non-catalytic subunit of the KPC complex that acts as E3 ubiquitin-protein ligase. Required for poly-ubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle (By similarity).[UniProtKB/Swiss-Prot Function]