

## Product datasheet for **RR208139**

### Uba2 (NM\_001100579) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uba2 (NM_001100579) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uba2
Synonyms:	Sae2; Uble1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide  
Sequence:**

>RR208139 representing NM\_001100579  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTGTGCGGGGGTTACCCCGGAGCTGGCCGAGCGGTGTCCGCGGCCGGGTCCTGGTGGTTG  
 GCGCGGTGGTATCGGCTGTGAGCTACTTAAGAATCTGGTGCTCACTGGCTTCTCCACATCGACCTGAT  
 TGATCTGGACACTATCGACGTCAGCAACCTCAACAGGCAGTTCTTGTTCAAAAGAAACATGTCGGAAGA  
 TCAAAGGCTCAGGTTGCCAAAGAAAGTGTCTTCAAGTCCACCCCAAGCGAACATTGAGGCCACCATG  
 ACAGCATCATGAACCCAGACTATAATGTGGAGTTTTTTCGACAGTTTATATTGGTTATGAACGCATTAGA  
 TAACAGAGCTGCACGAAACCATGTGAATAGGATGTGTCTGGCAGCTGACGTGCCTCTCATTGAGAGTGGG  
 ACTGCTGGGTATCTTGGACAGGTGACCACGATCAAGAAGGGTGTGACTGAGTGTACGAATGTCATCCTA  
 AGCCGACCCAGAGAACGTTCCCTGGCTGTACGATTCGGAACACACCTTCAGAACCTATCCATTGCATCGT  
 ATGGGCCAAGTATTTGTTCAACAGCTGTTTGGAGAGGAAGATGCTGATCAAGAAGTGTCTCCTGACAGA  
 GCTGACCTGAAGCTGCTTGGGAACCAACAGAGGCTGAAGCCAGAGCCCGAGCATCCAATGAAGATGGAG  
 ACATTAAGCGGATTTCCACTAAGGAATGGGCTAAGTCAACTGGATACGATCCAGTTAAACTTTTTACCAA  
 GCTTTTTAAAGATGATATTAGGTACCTGCTGACAACTCTGGCGCAAGAGGAAACCTCCAGTT  
 CCACTGGACTGGGCTGAAGTGCAGAGTCAAGGAGAAGAAGCCAATGCTGATCAACAAAGTGAAGCCAGT  
 TGGGTTTGAAAGACCAGCAGGTTCTGGATGTAAGAGCTACGCAAGTCTGTTTTCAAAGAGCATCGAGAC  
 CCTGAGAGTCCGTTTAGCCGAGAAGGGAGATGGAGCTGAGCTCATCTGGGATAAGGACGACCCACCTGCA  
 ATGGATTTGTCACGCTGCTGCAAACCTCAGGATGCACATTTTCAGCATGAACATGAAGAGCAGGTTTG  
 ATATAAAATCAATGGCGGGGAACATCATCCCTGCTATAGCCACCACTAATGCAGTATCGCCGGCTTGAT  
 AGTGTTGGAAGGATTAAGATTTTATCTGGAAAAATAGACCAGTGTAGAATATATTTTTGAATAAGCAG  
 CCAAACCCGAGAAAGAAGCTCTTGGTGCCTGTGCACTAGATCCTCCCAACACCAACTGTTACGTTTGTG  
 CCAGCAAGCCAGAGGTGACCGTGCAGGCTGAATGTCCACAAAGTACTGTCCTCACCTTACAGGATAAGAT  
 AGTGAAAGAAAAGTTTGCTATGGTGGCACCAGATGTCCAAATTGAAGATGGGAAAGGCACAATCCTGATA  
 TCTTCAGAAGAGGGAGAGACAGAAGCTAATAACCCCAAGAAGTTGTCTGATTTTGAATTAGAAATGGCA  
 GCCGGCTTCAAGCAGACGACTTCTGCAGGACTACACTTTGCTGATCAACATTCTTCATAGCGAGGATCT  
 AGGAAAGGATGTTGAATTTGAGGTAGTTGGTGACACCCCTGAAAAAGTGGGTCCAAAACAAGCTGAAGAC  
 GCTGCCAAAAGCATTGCCAACGGCAGCGATGATGGCGCCAGCCTTCCACCTCCACAGCACAAGAACAAG  
 ATGATGTGCTCATAGTTGATTCAGATGAAGAAGGCCCTTCAAATAGCGCCGACGGTAGCAGGGACGATAG  
 GACCCGCAAGCGGAAACTGGAAGAGAATGAGGGTGCCAGTACCAAGAAGTCCCGCTTGGAGCAGGTGGAA  
 GATCAGGATGACGTCATAGCATTAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208139 representing NM\_001100579  
 Red=Cloning site Green=Tags(s)

MSLSRGLPRELAEAVSGGRVLVVGAGGIGCELLKNLVL TGF SHIDLIDLDITDVSNLNRQFLFQKKHVGR  
 SKAQVAKESVLQFHPQANIEAHHDSIMNPDYNEFFRQFILVMNALDNRAARNHVNRMC LAADVPLIESG  
 TAGYLGQVTTIKKGVTECYECHKPQTQRTFPGCTIRNTPSEPIHCIVWAKYLFNQLFGEEDADQEVSPDR  
 ADPEAAWEPTAEARARASNEGDIDKRISTKEWAKSTGYDPVKLFTKLFKDDIRYLLTMDKLWRKRKPPV  
 PLDWAEVQSQGEANADQQSEPLGLKDQQLVDVKSYSALFSKSIETLRVRLAEKGDGAELIWDKDDPPA  
 MDFV TSAANLRMHIFSMNMKSRFDIKSMAGNIIPAIATTNAVIAGLIVLEGLKILSGKIDQCRTIFLNKQ  
 PNP RKLLVPCALDPPNTNCYVCASKPEVTVRLNVHKVTVLTLQDKIVKEKFAMVAPDVQIEDGKGTILI  
 SSEEGETEANNPKKLSDFGIRNGSRLQADDFLQDYTLINILHSEDLGKDVFEFVVGDTPEKVGPKQAE  
 AAKSIANGSDDGAQPSTSTAQEQQDVLIVDSDEEGPSNSADGSRDDRTRKRKLEENEGASTKKSRLQE  
 VDQDDVIALD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

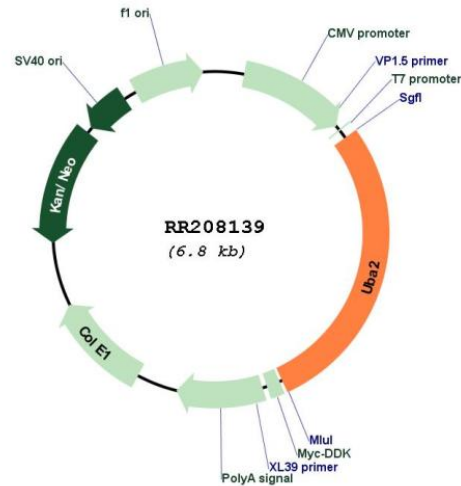
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001100579

ORF Size: 1917 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\\_001100579.1](#), [NP\\_001094049.1](#)

RefSeq Size: 2640 bp  
RefSeq ORF: 1920 bp  
Locus ID: 308508  
Cytogenetics: 1q21  
MW: 70.8 kDa