

Product datasheet for **RR208094**

Ubd (NM_053299) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ubd (NM_053299) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ubd
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR208094 representing NM_053299
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCCTGCGTCTGTGTTGTCCATTCGGAGCAATGGCCATTAATGACCTTTGACACCACCATGAGTG
ACAAAGTGAAGAAAATCAATGAGCATATTAGGTCCCAAACCAAGGTCTCTGTGCAGGACCAGATCCTTCT
GCTAGACTCCAAGATCCTCAAGCCCCATAGAGCGTTGTATCTTATGGGATCGACAAGGAAAACACTATC
CACCTCACCTAAAGGTGGTGAAGCCCAGTGATGAAGAGCTGCCCTTGTCTCTGGTGGAGTCGGGCGAGC
AGGGCAAAGGCACCTCCTTCGAGTTCGAAGATCCAGCTCCGTGGCCAGGTGAAGGAAATGATCGAGAA
TGTGACTGCTGTGCCTCCAAGAAGCAGTTCGTGAATTGCAATGGAAAGAGGCTGGAAGATGGAAAGATC
ATGGCCGACTACAACATCAAGAGTGGTAGTTTGCTCTTCTCACAGCGCACTGCATTGGGGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208094 representing NM_053299
Red=Cloning site Green=Tags(s)

MASCVCVHSEQWPLMTFDTTMSDKVKKINEHIRSQTKVSVQDQILLLDSKILKPHRALSSYGIDKENTI
HLTLKVKVPSDEELPLSLVESGDEGQRHLLRVRSSSSVAQVKEMIENVTAVPPKKQFVNCNGKRLEDGKI
MADYNIKSGSLLFLTAHCIGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

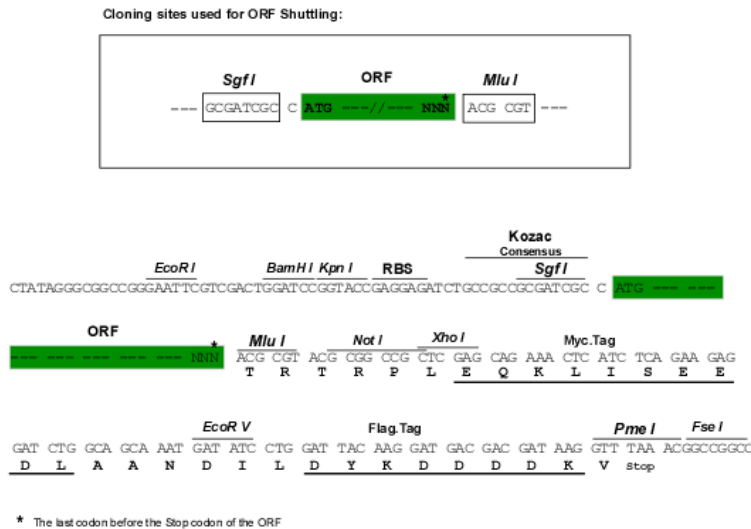
Chromatograms: https://cdn.origene.com/chromatograms/ja2492_e01.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_053299
ORF Size: 483 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

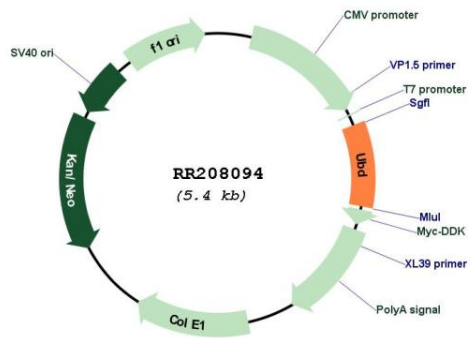
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_053299.2, NP_445751.2](#)
RefSeq Size: 672 bp
RefSeq ORF: 486 bp
Locus ID: 29168
UniProt ID: [Q921A3](#)
Cytogenetics: 20p12
MW: 18.4 kDa
Gene Summary: human homolog is a diubiquitin protein that may function in antigen processing and presentation [RGD, Feb 2006]

Product images:



Circular map for RR208094