

Product datasheet for **RR204666**

Usp2 (NM_053774) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp2 (NM_053774) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp2
Synonyms:	UBP-t
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204666 representing NM_053774
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCAGCTCTCTCCACCCTGAAGCGCTATACAGAATCGTCCCGCTACACAGATGCCCTTATGCCA
 AATCGGGCTATGGCACCTACACCCTTCTTCTATGGGGCAACCTGGCCGCTCCTTCTGGAGAAGGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204666 representing NM_053774
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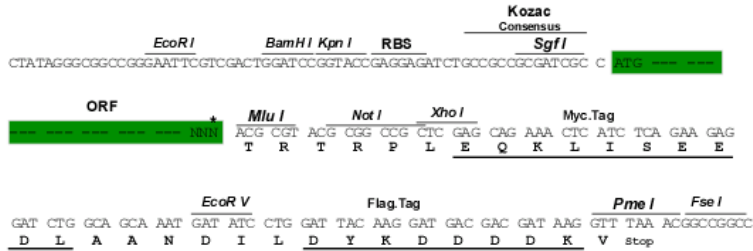
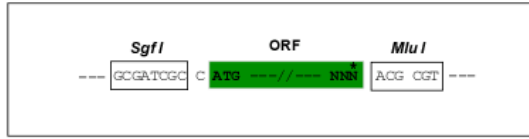
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 DSRIGDLFVQQLKSSLTCTDCGYCSTVDFPFWDLSLPIAKRGYPEVTLMDMRLF TKEDVLDGDEKPTCC
 RCRARKRCIKKFSVQRFPKILVLHLKRFSESRIKRTSKLTTFVNFPLRDLDLREFASENTNHAVYNYLAVS
 NHSGTTMGGHYTAYCRSPVTEGWHFTNDSSVTPMSSSQVRTSDAYLFFYELASPPSRM

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Restriction Sites: SgfI-MluI

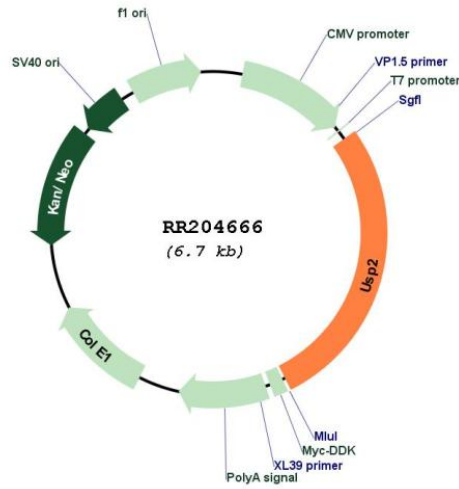
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_053774

ORF Size: 1854 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:	<ol style="list-style-type: none">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_053774.2 , NP_446226.2
RefSeq Size:	2095 bp
RefSeq ORF:	1857 bp
Locus ID:	115771
UniProt ID:	Q5U349
Cytogenetics:	8q22
MW:	69.4 kDa
Gene Summary:	deubiquitinating enzyme, removes ubiquitin from covalent attachments to itself or other proteins [RGD, Feb 2006]