

## Product datasheet for **RC236711**

### USP46 (NM\_001286768) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** USP46 (NM\_001286768) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** USP46  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236711 representing NM\_001286768  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCAGGATGCTCATGAATTTTAAATTATTTGCTAAACACTATTGCGGACATCCTTCAGGAGGAGA  
AGAAACAGGAAAAACAAAATGGAAAATTAATAATGGCAACATGAACGAACCTGCGGAAAAATAATAACC  
AGAACTCACCTGGTCCATGAGATTTTTCAGGGAACGCTTACCAATGAACTCGATGCTTGAACGTGAA  
ACTGTTAGTAGCAAAGATGAAGATTTTCTTGACCTTTCTGTTGATGTGGAGCAGAATACATCCATTACCC  
ACTGTCTAAGAGACTTCAGCAACACAGAAACACTGTGTAGTGAACAAAAATATTATTGTAAACATGCTG  
CAGCAACAAGAAGCCCAGAAAAGGATGAGGGTAAAAAGCTGCCATGATCTTGGCCCTGCACCTAAAG  
CGGTTCAAGTACATGGAGCAGCTGCACAGATACACCAAGCTGTCTTACCGTGTGGTCTTCCCTCTGGAAC  
TCCGGCTCTTCAACACCTCCAGTATGCAGTGAACCTGGACCGCATGTATGACTTGGTTGCGGTGGTGT  
TCACTGTGGCAGTGGTCTAATCGTGGCATTATCACTATTGTGAAAAGTCACGGCTTCTGGCTTTTG  
TTTGATGATGACATTGTAGAGTTGGTTTGCAGATTATTCTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236711 representing NM\_001286768  
**Red=Cloning site Green=Tags(s)**

MQQDAHEFLNYLLNTIADILQEEKKQEQNGKLKNGNMNEPAENKPEL TWVHEIFQGLTNETRCLNCE  
TVSSKDEDFLDLSVDVEQNTSITHCLRDFSNTE TLCSEQKYCYETCCSKQEAQKRMVKKLPMILALHLK  
RFKYMEQLHRYTKLSYRVVFPLELRLFNTSSDAVNLDRMYDLVAVVVHCGSGPNRGHYITIVKSHGFLL  
FDDDIVVGLQIILQ

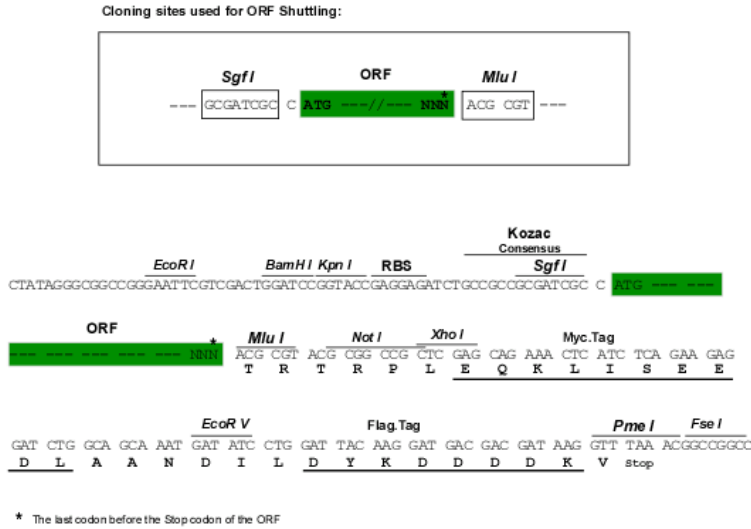
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



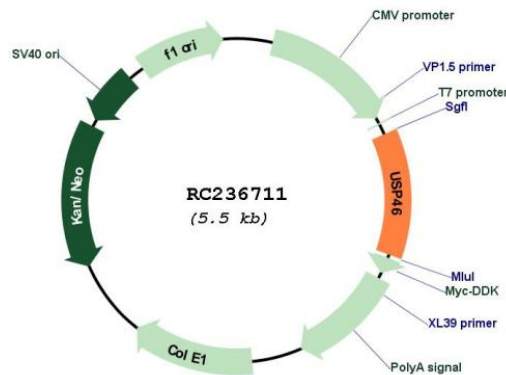
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001286768

ORF Size: 675 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.

<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_001286768.2</a></u>
<b>RefSeq Size:</b>	8133 bp
<b>RefSeq ORF:</b>	678 bp
<b>Locus ID:</b>	64854
<b>UniProt ID:</b>	<u><a href="#">P62068</a></u>
<b>Cytogenetics:</b>	4q12
<b>Protein Families:</b>	Druggable Genome, Protease
<b>MW:</b>	26.7 kDa
<b>Gene Summary:</b>	Modification of cellular proteins by ubiquitin is an essential regulatory mechanism controlled by the coordinated action of multiple ubiquitin-conjugating and deubiquitinating enzymes. USP46 belongs to a large family of cysteine proteases that function as deubiquitinating enzymes (Quesada et al., 2004 [PubMed 14715245]).[supplied by OMIM, Jun 2009]