

Product datasheet for **RC237679**

USP46 (NM_001286767) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP46 (NM_001286767) 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:	>RC237679 representing NM_001286767 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGTCCGAAACATCGCTCCATCTGTAATATGGGCACCAATGCCTCTGCTCTGAAAAAGACATTG
GTCCAGAGCAGTTTCCAATCAATGAACACTATTTTCGGATTGGTCAATGCATTGTACTTCTGCCGTCCATT
CCGGGAGAAATGTGTTGGCATACAAGGCCAGCAAAGAAGAAGAACTTCTGCTGACGTGCCTGGCGGAC
CTTTTCCACAGCATTGCCACACAGAAGAAGGTTGGCGTCATCCACCAAAGAAGTTCATTTCAAGGC
TGAGAAAAGAGAATGATCTCTTTGATAACTACATGCAGCAGGATGCTCATGAATTTTAAATTTTGT
AAACTATTGCGGACATCCTTCAGGAGGAGAAGAAACAGGAAAAACAAATGGAAAAATAAAAATGGC
AACATGAACGAACCTGCGGAAAAATAATAACCAGAACTCACCTGGGTCCATGAGATTTTTCAGGGAACGC
TTACCAATGAACTCGATGCTTGAACGTGAACTGTTAGTAGCAAAGATGAAGATTTTCTTGACCTTTC
TGTTGATGTGGAGCAGAATACATCCATTACCCACTGTCTAAGAGACTTCAGCAACACAGAAACACTGTGT
AGTGAACAAAAATATTATTGTGAACATGCTGCAGCAAACAAGAAGCCAGAAAAGGATGAGGGTAAAAA
AGCTGCCCATGATCTTGGCCCTGCACCTAAAGCGTTCAAGTACATGGAGCAGCTGCACAGATACACCAA
GCTGTCTTACCGTGTGGTCTTCCCTCTGAACTCCGGCTCTTCAACACCTCCAGTGATGCAGTGAACCTG
GACCGCATGTATGACTTGGTTGCGGTGGTCTTCACTGTGGCAGTGGTCTAATCGTGGGCATTATATCA
CTATTGTGAAAAGTCACGGCTTCTGGCTTTGTTTGTATGATGACATTGTAGAGAAAATAGATGCTCAAGC
TATTGAAGAATTCTATGGCCTGACGTCAGATATATCAAAAATTCAGAATCTGGATATATTTTATCTAT
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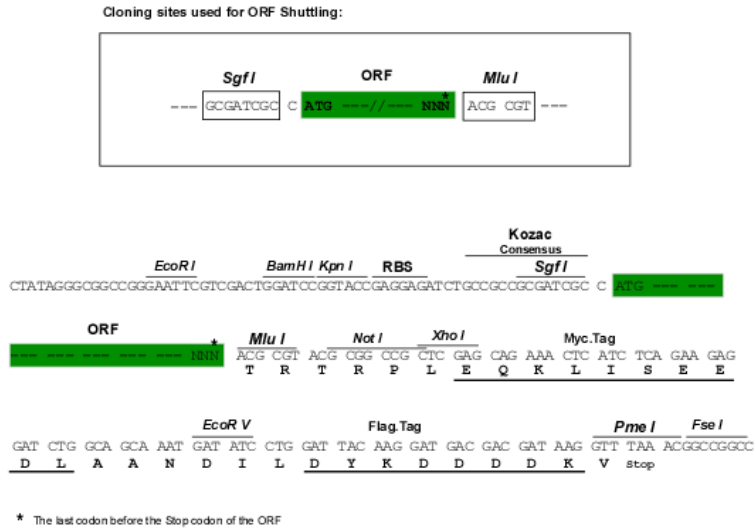
Protein Sequence: >RC237679 representing NM_001286767
 Red=Cloning site Green=Tags(s)

MTVRNIASICNMGTNASALEKDIGPEQFPINEHYFGLVNALYFCRPFRENVLAYKAQQKKKENLLTCLAD
 LFHSIATQKKKGVIPPKKFI SRLRKENDLFDNYMQQDAHEFLNYLLNTIADILQEEKQEKQNGKLKNG
 NMNEPAENNKPELTWVHEIFQGLTNETRCLNCETVSSKDEDFLDLSDVDEQNTSITHCLRDFSNTETLC
 SEQKYCETCCSKQEAQKRMRVKLLPMLALHLKRFKYMEQLHRYTKLSYRVVFPLELRLFNTSSDAVNL
 DRMYDLVAVVVHCGSGPNRGHYITIVKSHGFLLFDDDI VEKIDAQAIEEFYGLTSDISKNSESGYILFY
 QSRE

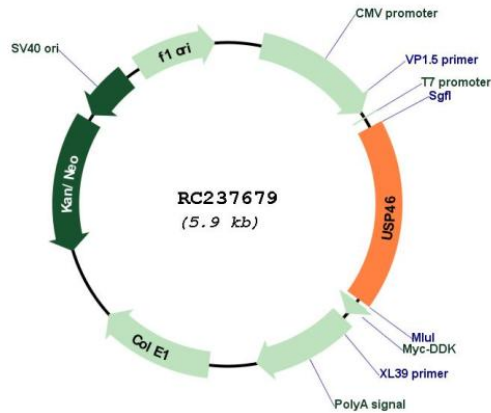
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286767

ORF Size:	1062 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_001286767.2
RefSeq Size:	7930 bp
RefSeq ORF:	1065 bp
Locus ID:	64854
UniProt ID:	P62068
Cytogenetics:	4q12
Protein Families:	Druggable Genome, Protease
MW:	41.6 kDa
Gene Summary:	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]