

## Product datasheet for **RG237679**

### USP46 (NM\_001286767) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP46 (NM_001286767) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237679 representing NM_001286767. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTGTCCGAAACATCGCCTCCATCTGTAATATGGGCACCAATGCCTCTGCTCTGAAAAAGACATT
GGTCCAGAGCAGTTTCCAATCAATGAACACTATTTTCGATTGGTCAATGCATTGTACTTCTGCCGTCCA
TTCCGGGAGAATGTGTTGGCATAACAAGGCCAGCAAAAGAAGAAGGAAAACCTGCTGACGTGCCTGGCG
GACCTTTCCACAGCATTGCCACACAGAAGAAGAAGGTTGGCGTCATCCCACAAAGAAGTTCATTTCA
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GGAACGCTTACCAATGAACTCGATGCTTGAACGTGAACTGTTAGTAGCAAAGATGAAGATTTTCTT
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ACACTGTGTAGTGAACAAAAATATTATTGTGAAACATGCTGCAGCAAAACAAGAAGCCAGAAAAGGATG
AGGGTAAAAAGCTGCCCATGATCTTGGCCCTGCACCTAAAGCGGTTCAAGTACATGGAGCAGCTGCAC
AGATACACCAAGCTGTCTTACCGTGTGGTCTTCCCTCTGGAACCCGGCTCTTCAACACCTCCAGTGAT
GCAGTGAACCTGGACCGCATGTATGACTTGGTTGCGGTGGTCTTCACTGTGGCAGTGGTCTAATCGT
GGGCATTATATCACTATTGTGAAAAGTCACGGCTTCTGGCTTTTGTGTTGATGACATTGTAGAGAAA
ATAGATGCTCAAGCTATTGAAGAATTCTATGGCCTGACGTGAGATATATCAAAAATTCAGAATCTGGA
TATATTTTATTCTATCAGTCAAGAGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



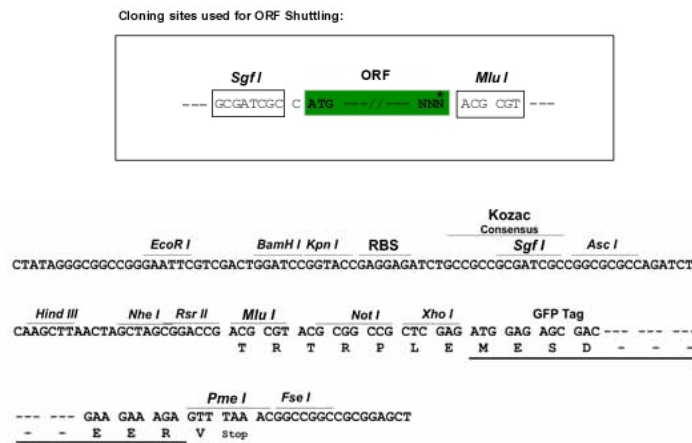
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237679  
 Blue=ORF Red=Cloning site Green=Tag(s)

MTVRNIASICNMGTNASALEKDIGPEQFPINEHYFGLVNALYFCRPFRENVLAYKAQQKKKENLLTCLA  
 DLFHSIATQKKKVGVIIPKKFISRLRKENDLFDNYMQDAHEFLNYLLNTIADILQEEKKQEKQNGKLG  
 NGNMNEPAENKPEL TWVHEIFQGTLTNETRCLNCETVSSKDEDFLDLSDVEQNTSITHCLRDFNTE  
 TLCSEQKYCETCCSKQEAQKRMRVKLLPILALHLKRFKYMQLHRYTKLSYRVVFPLELRLFNTSSD  
 AVNLD RMYDLVAVVVHCGSGPNRGHYITIVKSHGFLLFDDIVEKIDAQAIEEFYGLTSDISKNSESG  
 YILFYQSRE  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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.

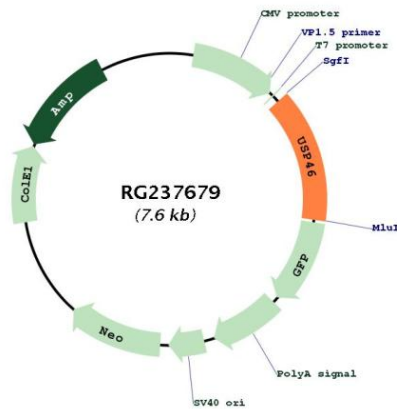
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001286767.2](#)

**RefSeq Size:** 7930 bp

RefSeq ORF:	1065 bp
Locus ID:	64854
UniProt ID:	<a href="#">P62068</a>
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]

**Product images:**



Circular map for RG237679