OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC225534

USP46 (NM_001134223) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP46 (NM_001134223) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	USP46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC225534 representing NM_001134223
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTGTTTTCAGGGCACCAATGCCTCTGCTCTGGAAAAAGACATTGGTCCAGAGCAGTTTCCAATCA
ATGAACACTATTTCGGATTGGTCAATTTTGGAAACACATGCTACTGTAACTCCGTGCTTCAGGCATTGTA
CTTCTGCCGTCCATTCCGGGAGAATGTGTTGGCATACAAGGCCCAGCAAAAGAAGAAGGAAAACTTGCTG
ACGTGCCTGGCGGACCTTTTCCACAGCATTGCCACACAGAAGAAGAAGGTTGGCGTCATCCCACCAAAGA
AGTTCATTTCAAGGCTGAGAAAAGAGAATGATCTCTTTGATAACTACATGCAGCAGGATGCTCATGAATT
TTTAAATTATTTGCTAAACACTATTGCGGACATCCTTCAGGAGGAGAAGAAACAGGAAAAACAAAATGGA
AAATTAAAAAATGGCAACATGAACGAACCTGCGGAAAATAATAAACCAGAACTCACCTGGGTCCATGAGA
TTTTTCAGGGAACGCTTACCAATGAAACTCGATGCTTGAACTGTGAAACTGTTAGTAGCAAAGATGAAGA
TTTTCTTGACCTTTCTGTTGATGTGGAGCAGAATACATCCATTACCCACTGTCTAAGAGACTTCAGCAAC
ACAGAAACACTGTGTAGTGAACAAAAATATTATTGTGAAACATGCTGCAGCAAACAAGAAGCCCAGAAAA
GGATGAGGGTAAAAAAGCTGCCCATGATCTTGGCCCTGCACCTAAAGCGGTTCAAGTACATGGAGCAGCT
GCACAGATACACCAAGCTGTCTTACCGTGTGGTCTTCCCTCTGGAACTCCGGCTCTTCAACACCTCCAGT
GATGCAGTGAACCTGGACCGCATGTATGACTTGGTTGCGGTGGTCGTTCACTGTGGCAGTGGTCCTAATC
GTGGGCATTATATCACTATTGTGAAAAGTCACGGCTTCTGGCTTTTGTTTGATGATGACATTGTAGAGAA
AATAGATGCTCAAGCTATTGAAGAATTCTATGGCCTGACGTCAGATATATCAAAAAATTCAGAATCTGGA
TATATTTTATTCTATCAGTCAAGAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC225534 representing NM_001134223
Red=Cloning site Green=Tags(s)

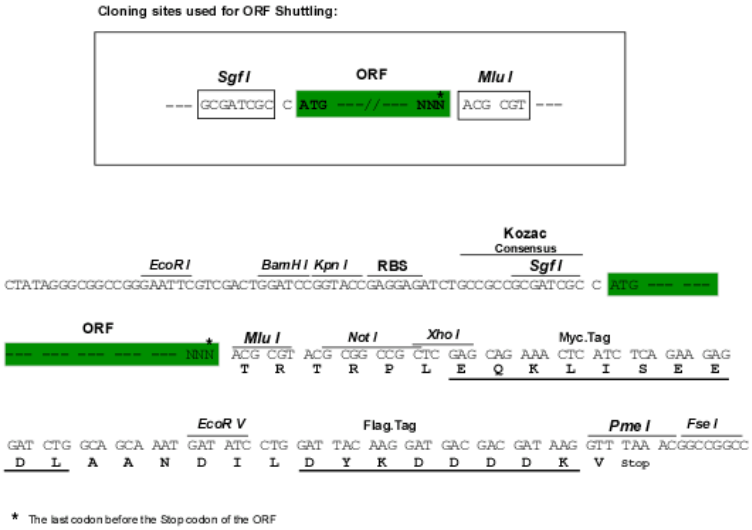
MNCFQGTNASALEKDIGPEQFPINEHYFGLVNFGNTCYCNSVLQALYFCRPFRENVLAYKAQQKKKENLL
TCLADLFHSIATQKKKVGVIPPKKFISRLRKENDLFDNYMQQDAHEFLNYLLNTIADILQEEKKQEKQNG
KLKNGNMNEPAENNKPELTWVHEIFQGTLTNETRCLNCETVSSKDEDFLDLSVDVEQNTSITHCLRDFSN
TETLCSEQKYYCETCCSKQEAQKRMRVKKLPMILALHLKRFKYMEQLHRYTKLSYRVVFPLELRLFNTSS
DAVNLDRMYDLVAVVVHCGSGPNRGHYITIVKSHGFWLLFDDDIVEKIDAQAIEEFYGLTSDISKNSESG
YILFYQSRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8054_f02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134223

ORF Size: 1077 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:
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_001134223.2

RefSeq ORF: 1080 bp

Locus ID: 64854

UniProt ID: P62068

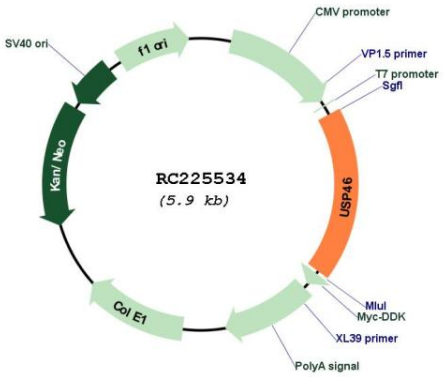
Cytogenetics: 4q12

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]

Product images:



Circular map for RC225534