

Product datasheet for **RC219163**

USP48 (NM_001032730) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP48 (NM_001032730) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	USP48
Synonyms:	RAP1GA1; USP31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC219163 representing NM_001032730
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCCGGCTGCAGCTGGAGAAGGGCCCTGGCGCTGGCGGAGACGGTGGCGCCGAGGAGGTGT
 CGCAGGAGCACATCGAGACCGCTTACCGCATCTGGCTGGAGCCCTGCATTGCGCGCGTGTGCAGACGAAA
 CTGCAAAGGAAATCCGAATTGCTTGGTTGGTATTGGTGAGCATATTTGGTTAGGAGAAATAGATGAAAT
 AGTTTTTCATAACATCGATGATCCCAACTGTGAGAGGAGAAAAAAGAACTCATTTGTGGCCCTGACTAACC
 TTGGAGCCACTTGTATGTCAACACATTTCTTCAAGTGTGGTTTCTCACTTGGAGCTTCGGCAGGCACT
 CTACTTATGTCCAAGCACTTGTAGTGACTACATGCTGGGAGACGGCATCCAAGAAGAAAAAGATTATGAG
 CCTCAAACAATTTGTGAGCATCTCCAGTACTTGTTCCTTGTGCAAAACAGTAATAGGCGATACATTG
 ATCCATCAGGATTTGTTAAAGCCTTGGCCCTGGCACTGGACAACAGCAGGATGCTCAAGAATTTTCAA
 GCTCTTTATGTCTCTATTGGAAGATACTTTGTCTAAACAAAAGAATCCAGATGTGCGCAATATTGTTCAA
 CAGCAGTTCTGTGGAGAATATGCCTATGTAAGTGTGCAACCAGTGTGGCAGAGAGTCTAAGCTTTTGT
 CAAAATTTTATGAGCTGGAGTTAAATATCCAAGGCCACAAACAGTTAACAGATTGTATCTCGGAATTTT
 GAAGGAAGAAAAATTAGAAGGAGACAATCGCTATTTTTGCGAGAAGTGTCAAAGCAAACAGAATGCAACA
 AGAAAGATTTCGACTTCTTAGCCTTCTTGCAGTCTGAAGTTCAGCTAATGCGTTTTGTCTTTGACAGGC
 AAAGTGGACATAAGAAAAAGCTGAATACCTACATTGGCTTCTCAGAAATTTGGATGAGCCTTATGT
 GGAACATAAAGGTGGGCTCCTACGTGTATGAACTCAGCGCAGTCTCATAACAGAGGAGTGTGCTTAT
 TCTGGCCACTACATCGCCACGTGAAAGATCCACAGTCTGGTGAATGGTATAAGTTAATGATGAAGACA
 TAGAAAAAGATGGAGGGGAAGAAATTACAAGTGGGATTGAGGAAGATCTAGCAGAACCTTCTAAGTCTCA
 GACACGTAACCCCAAGTGTGGCAAAGGAACTCATTGCTCTCGAAATGCATATATGTTGGTTTATAGACTG
 CAAACTCAAGAAAAAGCCCAACTACTGTTCAAGTTCAGCCTTTCTTCAAGAGCTGGTAGATCGGGATA
 ATTCCAAATTTGAGGAGTGGTGTATTGAAATGGCTGAGATGCGTAAGCAAAGTGTGGATAAAGGAAAAAGC
 AAAACACGAAGAGGTTAAGGAGCTGTACCAAGGTTACCTGCTGGAGCTGGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219163 representing NM_001032730
 Red=Cloning site Green=Tags(s)

MAPRLQLEKAAWRWAETVRPEEVSQEHIEYRIWLEPCIRGVCRRNCKGNPNCLVGIGEHILWGEIDEN
 SFHNIDDPNCERRKNSFVGLTNLGATCYVNTFLQVWFLNLELRQALYLCPSSTCSYMLGDGIQEEKDYE
 PQTICEHLQYLFALLQNSNRRYIDPSGFVKALGLDTGQQQDAQEFSKLFMSLLEDTLQKQKQNPVDRNIVQ
 QQFCGEYAYVTVCNQCGRSKLLSKFYELNIQGHKQLTDCISEFLKEEKLEGNRYFCENCQSKQONAT
 RKIRLLSLPCTLNQLMRFVDRQTGHKKLNITYIGFSEILDMEPYVEHKGGSYVYELSAVLIHRGVSAY
 SGHYIAHVKDPQSGEWYFNDEDIEKMEGKQLGIEEDLAEPSKSQTRKPKCGKTHCSRNAYMLVYRL
 QTQKPNNTTVQVPAFLQELVDRDNSKFEWCIEAEMRKQSVDKGKAKHEEVKELVQRLPAGAGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8064_h04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001032730

ORF Size: 1455 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_001032730.2](#)
RefSeq Size: 2421 bp

RefSeq ORF: 1458 bp

Locus ID: 84196

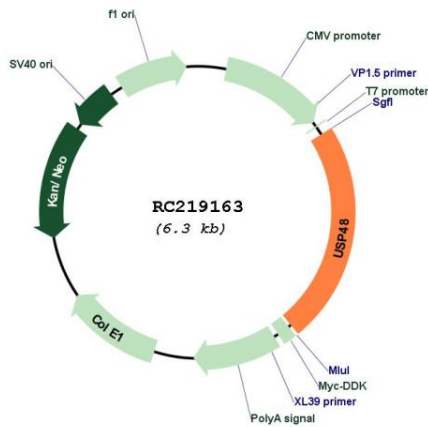
UniProt ID: [Q86UV5](#)
Cytogenetics: 1p36.12

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 56 kDa

Gene Summary: This gene encodes a protein containing domains that associate it with the peptidase family C19, also known as family 2 of ubiquitin carboxyl-terminal hydrolases. Family members function as deubiquitinating enzymes, recognizing and hydrolyzing the peptide bond at the C-terminal glycine of ubiquitin. Enzymes in peptidase family C19 are involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC219163