

## Product datasheet for RC215532

### USP48 (NM\_032236) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP48 (NM_032236) 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)
ORF Nucleotide Sequence:	>RC215532 representing NM_032236 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCCGGCTGCAGCTGGAGAAGGCGGCCTGGCGCTGGGCGGAGACGGTGC GGCCCCGAGGAGGTGT  
CGCAGGAGCACATCGAGACCGCTTACCGCATCTGGCTGGAGCCCTGCATTGCGGGCGTGTGCAGACGAAA  
CTGCAAAGGAAATCCGAATTGCTTGGTTGGTATTGGT GAGCATATTTGGTTAGGAGAAATAGATGAAAAT  
AGTTTTTCATAACATCGATGATCCCAACTGTGAGAGGAGAAAAAAGAACTATTTGTGGCCCTGACTAACC  
TTGGAGCCACTTGTATGTCAACACATTTCTTCAAGTGTGGTTTCTCACTTGGAGCTTCGGCAGGCACT  
CTACTTATGTCCAAGCACTTGTAGTGACTACATGCTGGGAGACGGCATCCAAGAAGAAAAAGATTATGAG  
CCTCAAACAATTTGTGAGCATCTCCAGTACTTGTTCCTTGTGCAAAAACAGTAATAGGCGATACATTG  
ATCCATCAGGATTTGTTAAAGCCTTGGCCCTGGACACTGGACAACAGCAGGATGCTCAAGAATTTTCAA  
GCTCTTTATGTCTCTATTGGAAGATACTTTGTCTAAACAAAAGAATCCAGATGTGCGCAATATTGTTCAA  
CAGCAGTTCTGTGGAGAATATGCCTATGTAAGTGTTCGCAACAGTGTGGCAGAGAGTCTAAGCTTTTGT  
CAAAATTTTATGAGCTGGAGTTAAATATCCAAGGCCACAACAGTTAACAGATTGATCTCGGAATTTT  
GAAGGAAGAAAAATTAGAAGGAGACAATCGCTATTTTTGCGAGAAGTGTCAAAGCAAACAGAATGCAACA  
AGAAAGATTCGACTTCTTAGCCTTCCTTGCACTGAACTTGCACTAATGCGTTTTGTCTTTGACAGCG  
AAACTGGACATAAGAAAAAGCTGAATACCTACATTGGCTTCTCAGAAATTTGGATATGGAGCCTTATGT  
GGAACATAAAGGTGGTCTACGTGTATGAACTCAGCGCAGTCCATACACAGAGGAGTGAAGTCTTAT  
TCTGGCCACTACATCGCCACGTAAGATCCACAGTCTGGTGAATGGTATAAGTTTAAATGATGAAGACA  
TAGAAAAGATGGAGGGGAAGAAATTACAAGTGGGATTGAGGAAGATCTAGCAGAACCTTCTAAGTCTCA  
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CAAACCTCAAGAAAAGCCCAACTACTGTTCAAGTCCAGCCTTCTTCAAGAGCTGGTAGACTCGGGATA  
ATTCCAAATTTGAGGAGTGGTGTATTGAAATGGCTGAGATGCGTAAGCAAAGTGTGGATAAAGGAAAAGC  
AAAACACGAAGAGTTAAGGAGCTGTACCAAAGTTACCTGCTGGAGCTGAGCCCTATGAGTTTGTCTCT



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CTGGAATGGCTGCAAAAGTGGTTGGATGAATCAACACCTACCAAACCTATTGATAATCACGCTTGCCTGT  
 GTTCCCATGACAAGCTTACCCGGATAAAAATATCAATTATGAAGAGGATATCTGAATATGCAGCTGACAT  
 TTTCTATAGTAGATATGGAGGAGGTCCAAGACTAACTGTGAAAGCCCTGTGTAAGGAATGTGTAGTAGAA  
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 CAGCAGTAAAGGGCAGCGATGGATTTGGGTGGGAAGTCTCCTTGGGAGTTGGCCAGCTAGCTCT  
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 GTACTTTCCAAGGCTCTGAGTTTCCAAGTTACAAAGAGTGCTGTTTACAGTGCAAGATTTTAGAAAGA  
 GAAGGGGAAGAAAATGAAGCCTTACATAAGATGATTGCAAACGAGCAAAAGACTTCTCTCCAAAATTTGT  
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 TAAAATCACGAGAATTGAAGTGGGAGATGTAACCCTTCAGAAACACAGTATATTCTGAGCCCAAACCTC  
 TGTCAGAAATGCAGAGAAGGCTTATTGTGTGAGCAGCAGAGGGACCTGCGTGAATACACTCAAGCCACA  
 TCTATGTCATAAAGTTGTGGATAATAAAAAGGTGATGAAGGATTCGGCTCCGGAAGTGAATGTGAGTAG  
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 AATGGTGGAAACAAGCGGCAAAAGATACCCATCAAAATATATAGCCTATCAAAAGCAAGTTATTCGCC  
 GAAGTATGCGACATAGAAAAGTTTCGTGGTGAGAAAAGCACTTCTCGTTTCTGCTAATCAGACGTTAAAAGA  
 ATTTAAAGTATGACTGTGCCACCCTAGGCACCCTTGGCGTCATCTCTGAATCTGTCATTTTATTGAAGG  
 CTGATGAACCAATTGCAGATTATGCTGCAATGGATGATGTCATGCAAGTTTGTATGCCAGAAGAAGGTT  
 TAAAGGTACTGGTCTTCTTGACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC215532 representing NM\_032236  
 Red=Cloning site Green=Tags(s)

MAPRLQLEKAAWRWAETVRPEEVSQEHIEIETAYRIWLEPCIRGVCRRNCKGNPNCLVIGIHEIWLGEIDEN  
 SFHNIDDPNCERRKNSFVGLTNLGATCYVNTFLQVWFLNLELRQALYLCSPSTCSYMLGDGIQEEKDYE  
 PQTICEHLQYLFALLQNSNRRYIDPSGFVKALGLDTGQQQDAQEF SKLFMSLLEDLTL SKQKQNPVDRNIVQ  
 QQFCGEYAYVTVCNQCGRESKLLSKFYELNLNIQGHKQLTDCISEFLKEEKLEGNRYFCENCQSKQAT  
 RKIRLLSLPCTLNLQLMRFVFDRTGHKKLNTYIGFSEILDMEPYVEHKGGSYVYELSAVLIHRGVSAY  
 SGHYIAHVKDPQSGEWYKFNDEDIEKMEGKLLQLGIEEDLAEPSKSQTRPKCGKGTGTHCSRNAYMLVYRL  
 QTQEKPNNTTVQVPAFLQELVDRDNSKFEWCIEMAEMRQSVDKGKAKHEEVKELYQRLPAGAEPYEFVS  
 LEWLQKWLDESTPTKPIDNHAACLSHDKLHPDKISIMKRISEYAADIFYSRYGGPRLTVKALCKE CVVE  
 RCRILRLKQLNEDYKTVNLLKAAVKGSDGFVWGKSSLRSWRQLALEQLDEQDGAEQSNGKMNGSTLN  
 KDESKEERKEEELNFNEDILCPHGELCISENERRLSKEAWSKLQQYFPKAPFPSPYKECCSQCKILER  
 EGEENEALHKMIANEQKTSLPNLFQDKNRPCLSNWPEDTDVLYIVSQFFVEWRKFVRKPTRCSPVSSVG  
 NSALLCPHGGLMFTFASMTKEDSKLIALIWPSEWQMIQKLFVVDHVIKITRIEVDVNPSETQYISEPKL  
 CPECREGLLCQQQRDLREYQTATIIYVHKVVDNKKVMKDSAPELNVSSSETEEDKEEAKPDGEKDPDFNQS  
 NGGTRQKISHQNYIAYQKQVIRRSMRHRKVRGEKALLVSNQTLKELKIQIMHAF SVAPFDQNL SIDGK  
 ILSDDCATLGLGVIPESVILLKADEPIADYAAMDVVMQVCMPEEGFKGTGLLGH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



**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\\_032236.8](#)

**RefSeq Size:** 4148 bp

**RefSeq ORF:** 3108 bp

**Locus ID:** 84196

**UniProt ID:** [Q86UV5](#)

**Cytogenetics:** 1p36.12

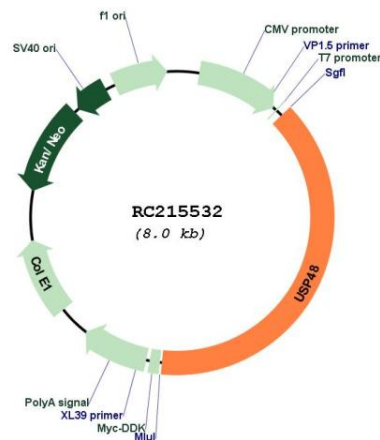
**Domains:** UCH

**Protein Families:** Druggable Genome, Protease, Transmembrane

**MW:** 118.9 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 RC215532