

## Product datasheet for MR203192

### Usp12 (BC049274) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp12 (BC049274) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp12
Synonyms:	Ubh1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203192 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAACAAGATGCCCATGAATTCTTAAATTACCTACTCAATACAATTGCTGATTTCTACAAGAAGAAA  
GAAAACAGGAGAAGCAAATGGCCGATTACGGAACGGAGACGTGGACAACGAGGATAACAACAGCACACC  
AGACCCAACCTGGGTCCACGAGATCTTTCAGGGAACATTAATAATGAAACCAGGTGCTTACTTGTGAA  
ACTATAAGCAGCAAAGATGAAGATTTTTAGACCTTTCTGTTGACGTGGAACAAAACACATCAATTACTC  
ACTGCTTAAGAGGGTTCAGTAACACAGAACTCTGTGCAGTGAATATAAGTACTACTGTGAAGAGTGCCG  
GAGCAAGCAGGAAGCACACAAGCGGATGAAGGTTAAGAACTGCCCTGATCCTGGCTCTGCACCTGAAG  
AGGTTTAAGTATATGGACCAGCTTACCAGTACACGAAGCTTTCTATCGCGTGGTCTTTCTTTAGAGC  
TCCGTCTGTTCAACACGTCAGGAGATGCGACCAACCCTGACAGAAATGATGACCTGGTCGCCGTTGTGGT  
TCACTGTGGAAGTGGTCCCAACCGAGGCCATTATATTGCAATAGTTAAGAGTCATGATTTCTGGCTGTTG  
TTTGATGATGACATTGTAGAAAAATCGATGCCAAGCTATTGAAGAATTCTACGGATTGACATCTGACA  
TCTCCAAGAACTCGGAGTCTGGCTACATCCTTTCTATCAGTCTCGGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203192 protein sequence  
Red=Cloning site Green=Tags(s)

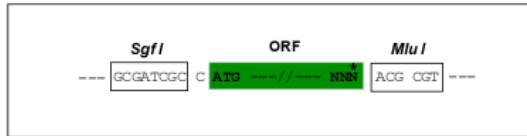
MQQDAHEFLNYLLNTIADILQEERKQEKQNGRLRNGDVDNEDNNSPDPTWVHEIFQGLTNETRCLTCE  
 TISSKDEDFLDLSDVEQNTSITHCLRGFSNTETLCSEYKYYCEECRSKQEAHKRMKVKKLLPLILALHLK  
 RFKYMDQLHRYTKLSYRVVFPLELRLFNTSGDATNPDRMYDLVAVVVHCGSGPNRGHYIAIVKSHDFWLL  
 FDDDIVKIDAQAIIEEFYGLTSDISKNSESGYILFYQSRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** BC049274

**ORF Size:** 750 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:** [BC049274](#), [AAH49274](#)

**RefSeq Size:** 3928 bp

**RefSeq ORF:** 752 bp

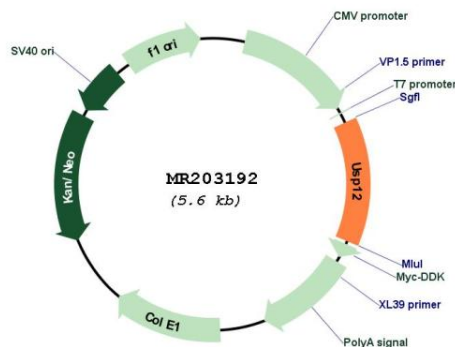
**Locus ID:** 22217

**Cytogenetics:** 5 G3

**MW:** 29.2 kDa

**Gene Summary:** Deubiquitinating enzyme. Has almost no deubiquitinating activity by itself and requires the interaction with WDR48 to have a high activity. Not involved in deubiquitination of monoubiquitinated FANCD2.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR203192