

Product datasheet for **MG205699**

Usp12 (BC068136) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp12 (BC068136) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Usp12
Synonyms:	Ubh1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205699 representing BC068136 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATCCTAATGACAGTCTCCAAATTCGCCTCCATCTGTACCATGGGCGCCAATGCCTCGGCATTAG
AGAAAGAGATTGGTCCAGAACAGTTTCCGGTCAACGAGCACTATTTGGATTAGTCAATTTGGGAATAC
CTGCTACTGCAACTCAGTCTTCAAGCACTTTATTTTGTGTCGTCATTTCCGGAAAAAGTTCTAGCATA
AAAAGTCAGCCAGAAAAAGGAGAACCTTCTCACCTGCCTGGCAGACCTTCCACAGCATAGCCACCC
AGAAGAAGAAGGTCGGCGTGATCCCGCCAAGAAGTTCATCACAAAGTTGCGGAAAGAAAACGAGCTGTT
TGACAACATGCAACAAGATGCCCATGAATCTTAAATTACCTACTCAATACAATTGCTGATATTCTA
CAAGAAGAAAGAAAACAGGAGAAGCAAAATGGCCGATTACGGAACGGAGACGTGGACAACGAGGATAACA
ACAGCACACCAGACCCAACTGGGTCCACGAGATCTTTCAGGGAACATTAATAATGAAACCAGGTGCT
TACTTGTGAAACTATAAGCAGCAAAGATGAAGATTTTTAGACCTTTCTGTTGACGTGGAACAAAACACA
TCAATTACTCACTGCTTAAGAGGGTTCAGTAACACAGAACTCTGTGCAGTGAATATAAGTACTACTGTG
AAGAGTGCCGGAGCAAGCAGGAAGCACACAAGCGGATGAAGGTTAAGAACTGCCCTGATCCTGGCTCT
GCACCTGAAGAGGTTTAAGTATATGGACCAGCTTACCCGGTACACGAAGCTTTCTATCGCGTGGTCTTT
CCTTTAGAGCTCCGTCTGTTCAACACGTCAGGAGATGCGACCAACCCTGACAGAATGTATGACCTGGTCG
CCGTTGTGGTTCACTGTGGAAGTGGTCCCAACCGAGGCCATTATATTGCAATAGTTAAGAGTCATGATTT
CTGGCTGTTGTTGATGATGACATTGTAGAAAAATCGATGCCCAAGCTATTGAAGAATTCTACGGATTG
ACATCTGACATCTCCAAGAACTCGGAGTCTGGCTACATCCTTTTCTATCAGTCTCGGGAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >MG205699 representing BC068136
Red=Cloning site Green=Tags(s)

```
MEILMTVSKFASICTMGANASALEKEIGPEQFPVNEHYFGLVNFNGNTCYCNSVLQALYFCRPFREKVLAY
KSQPRKKENLLTCLADLFHSIATQKKKVGVIIPPKKFITRLRKENELFDNYMQQDAHEFLNYLLNTIADIL
QEERKQEKQNGRLRNGDVNEDNNSTPDPTWVHEIFQGLTNETRCLTCETISSKDEDFLDLSVDVEQNT
SITHCLRGFSNTEITLCSEYKYYCEECSRKQEAHKRMKVKKLPLILALHLKRFKYMDQLHRYTKLSYRVVF
PLELRLFNTSGDATNPDRLMYDLVAVVVHCGSGPNRGHYIAIVKSHDFWLLFDDDI VEKIDAQAIEEFYGL
TSDISKNSESGYILFYQSRD
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC068136

ORF Size: 1112 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: [BC068136](#), [AAH68136](#)

RefSeq Size: 4312 bp

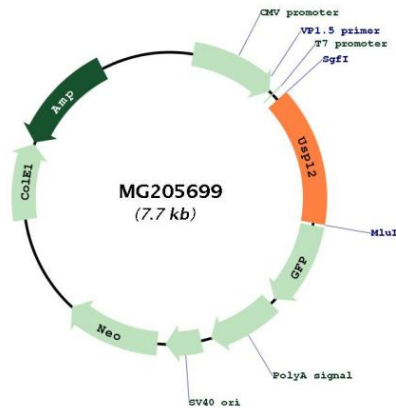
RefSeq ORF: 1112 bp

Locus ID: 22217

Cytogenetics: 5 G3

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 MG205699