

## Product datasheet for **MG214496**

### Usp17ld (NM\_001001559) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Usp17ld
<b>Synonyms:</b>	Dub2α; Dub4
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG214496 representing NM\_001001559  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTGGTTTCTCTTCCCTCCAGAACAGATCCAGCCCTATCATCTCCTGGTGCCCAACAGCTGCATC  
 AGGATGAAGCTCAGGTAGTGGTGGAGCTAACTGCCAATGACAAGCCAGTCTGAGTTGGGAATGTCCCA  
 AGGACCAGGATGCGGGCTTCAGAACACAGGCAACAGCTGCTACCTGAATGCAGCCCTGCAGTGTGACA  
 CACACACCACCTCTAGCTGACTACATGTGTCCAGGAGTACAGTCAAACCTGTTGTTCCCAAGAGGCT  
 GTAAGATGTGTGCTATGGAAGCCCATGTAACCCAGAGTCTCCTGCACTCTCACTCGGGGATGTCATGAA  
 GGCCCTCCAGATTTGACCTCTGCCTTCCACAAGCACCAGCAGGAAGATGCCCATGAGTTTCTCATGTT  
 ACCTTGAAACAATGCATGAATCCTGCCTTCAAGTGCACAGACAATCAGAACCCACCTCTGAGGACAGCT  
 CACCCATTCATGACATATTTGGAGGCTTGTGGAGGTCTCAGATCAAGTGTCTCCATTGCCAGGTACCTC  
 AGATACATATGATCGTTCCTGGATGTCCCTGGATATCAGCTCAGCTCAGAGTGTAAATCAAGCCTTG  
 TGGGATACAGAAAGTCAAGAGCTACGTGGAGAGAATGCCTACTACTGTGGTAGGTGTAGACAGAAGA  
 TGCCAGCTTCCAAGACCCTGCATATTCATAGTGCCCAAAAGGTAAGTCTCCTGCTAGTGTAAAGCGCTTCTC  
 GGCTTCATGGGTAACAAGTTGGACAGAAAAGTAAAGTACCCGGAGTTCCTTGACCTGAAGCCATACCTG  
 TCCAGCCTACTGGAGGACCTTGCCTTATGCCCTCTATGCTGTCTGGTCCATGAAGGTGCGACTTGTG  
 ACAGTGGACATTACTTCTTATGTCAAAGCTGGACATGGGAAGTGGTACAAGATGGATGATACTAAGGT  
 CACCAGCTGCGATGTGACTTCTGTCTGAATGAGAATGCCTATGTGCTTCTATGTGCAGCAGACTGAC  
 CTCAAAGAGGTCAATTGACATGCCAGAGGCGAGAATACATGAGGTTCTCGACCTGAATACCAGCTGA  
 AGAAATCCCGGAGAAAAAGCATAAGAAGAAAAGCCCTTGACAGAAAGTGTGGGAGAGCCCTCCAAAA  
 CAGGGAGAAAGAAACCAAAAGAAACCTCCTTAGGGGAGGGGAAAGTGTTCAGGAAAAGAACCAAG  
 AAAGCTGGGAGAAAACAGAGAATACAAACTCGTGCCTCAGGAACAGAACCCAGAAAAGTGGGCGAGA  
 AACACAGGAACAATGAAATCTTGCCTCAGGAACAGAACCCAGAAAAGTGGGAGAGCCTCAGGAACAC  
 GGAAGGTGAACCTGATCTGCTGCTGATGCAATGTGATTACCTGCCAGATCCATAGCAAATTTGGGC  
 AGGGATACTCCAGACAAGGTGAATCAACCTGGCACAATGCTGACAGGCTCCTCACCTCTCAGGACCTTG  
 TGAACACTGGGAGCTCTGTAGACAGGAAGGAAGACGAAGTCAAGAAAGGGGAAGAACAAGAACAAGCA  
 AGGGCAGAGCTTCTGCTTGTTCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214496 representing NM\_001001559  
 Red=Cloning site Green=Tags(s)

MVVSLSFPEADPALSSPGAQQLHQDEAQQVVVELTANDKPSLSWECPOGPGGLQNTGNSCYLNAAQLCLT  
 HTPPLADYMLSQEYSQTCCSPEGCKMCAMEAHVTQSLLSHSGDVMKPSQILTSFAFKHQEDAHEFLMF  
 TLETMHESCLQVHRQSEPTSEDSSPIHDI FGGLWRSQIKLHCQGTSDTYDRFLDVPLDISSAQSVNQAL  
 WDTEKSEELRGENAYYCGRCRQKMPASKTLHIHSAPKVLVLLKRFSAFMGNKLDKRVSYPEFLDKPYL  
 SQPTGGPLPYALYAVLVHEGATCHSGHYFSYVKAGHGKWKMDTKVTS CDVTSVLNENAYVLFYVQQTD  
 LKEVSI DMPEGRIHEVLDP EYQLKKSRRKHKHKKSPCTEDVGEPSKNREKATKETS LGEGKVLQEKNHK  
 KAGQKHENTKLV PQEQNHQKL GQKHRNNEILPQEQNHQKTGQSLRNTEGELDLPADAI VIHLPRSIANWG  
 RDTDPKVNQPWHNADRLLSQDLVNTGQLCRQEGRRRSKKGKKNKQGGKLLLV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001001559

**ORF Size:** 1635 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001001559.2](#), [NP\\_001001559.2](#)

**RefSeq Size:** 1638 bp

**RefSeq ORF:** 1638 bp

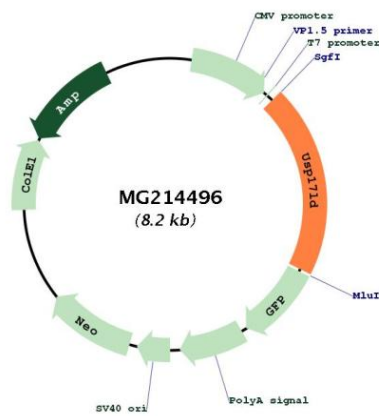
**Locus ID:** 384701

**UniProt ID:** G5E8G2

**Cytogenetics:** 7 E3

**Gene Summary:** Deubiquitinating enzyme that removes conjugated ubiquitin from specific proteins to regulate different cellular processes that may include cell proliferation, progression through the cell cycle, apoptosis, cell migration, and the cellular response to viral infection.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG214496