

## Product datasheet for **RG202538**

### USP30 (NM\_032663) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP30 (NM_032663) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG202538 representing NM\_032663  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGAGCTCCCGGCCGAGGCGGCGATGACCGCGCCGACAGGGCCATCCAGCGTTCCTGCGGACCG  
 GGGCGCCGTCAGATATAAAGTCATGAAGAACTGGGGAGTTATAGGTGGAATTGCTGCTGCTTGCAGC  
 AGGAATATATGTTATTTGGGGTCCCATACAGAAAGAAAGAGCGTAGAAAAGGGCTTGTGCCTGCCTT  
 GTTAATTTAGGGAACACCTGCTTCATGAACTCCCTGCTACAAGGCCTGTCTGCCTGCTCTTTCATCA  
 GGTGGCTGGAAGAGTTCACCTCCAGTACTCCAGGGATCAGAAGGAGCCCCCTCACACCAGTATTTATC  
 CTTAACACTCTTGACCTTCTGAAAGCCTTGTCTGCCAAGAAGTTACTGATGATGAGGTCTTAGATGCA  
 AGCTGCTTGTGGATGTCTTAAGAATGTACAGATGGCAGATCTCATCATTTGAAGAACAGGATGCTCACG  
 AATTATCCATGTCATTACCTCGTCATTGGAAGATGAGCGAGACCGCCAGCCTCGGGTACACATTTGTT  
 TGATGTGCATTCCCTGGAGCAGCAGTCAGAAATAACTCCCAAACAAATTACCTGCCGCACAAGAGGGTCA  
 CCTCACCTACATCCAATCACTGGAAGTCTCAACATCCTTTTCATGGAAGACTCACTAGTAAATATGGTCT  
 GCAAACACTGTGAACACCAGAGTCTGTTTCGATTTGATACCTTTGATAGCCTTCTACTAAGTATCCAGC  
 CGCCACATGGGGTCAACCATTGACCCTGGACCCTGCCTTCACTTTCATCTCAGAAATCAGTGCAGG  
 GATGTTGTGTGTGACAACGTACAAAGATTGAAGCCAAGGGAACGTTGAACGGGGAAAAGGTGGAACACC  
 AGAGGACCACTTTTGTAAACAGTTAAACTAGGGAAGCTCCCTCAGTGTCTCTGCATCCACCTACAGCG  
 GCTGAGCTGGTCCAGCCACGGCACGCCTCTGAAGCGGCATGAGCAGTGCAGTTCATGAGTTCCTGATG  
 ATGGACATTTACAAGTACCACCTCCTTGGACATAAACCTAGTCAACACAACCCCTAACTGAACAAGAACC  
 CAGGGCCTACACTGGAGCTGCAGGATGGGCCGGGAGCCCCACACCAGTCTGAAATCAGCCAGGGGCCCC  
 CAAAACACAGATTTTTATGAATGGCGCCTGCTCCCATCTTTATTGCCAACGCTGTCAGCGCCGATGCC  
 TTCCTCTCCAGTTGTTCCCGACTACAGCTCCTCCACATACCTTTCGGCTGATGGCAGTTGTCGTCC  
 ACCATGGAGACATGCACTCTGGACACTTGTCACTTACCGACGGTCCCCACCTTCTGCCAGGAACCTCT  
 CTCAACTAGCAATCAGTGGCTGTGGTCTCCGATGACACTGTCCGCAAGGCCAGCCTGCAGGAGTCCCTG  
 TCCTCCAGCGCTACCTGCTGTTCTACGAGCGCTCCTTCCAGGATGCAGCACCAGAGCCAGGAGTGCA  
 AGTCTGAAGAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG202538 representing NM\_032663  
 Red=Cloning site Green=Tags(s)

MLSSRAEAAMTAADRAIQRFRLRTGAAVRYKVMKNWGVIGGIAAALAAGIYVIWGPITERKKRRKGLVPL  
 VNLGNTCFMNSLLQGLSACPAFIRWLEEFSTQYSRDQKEPPSHQYLSL TLLHLLKALSCQEVTDDEVLDA  
 SCLLDVLRMYRWQISSFEEQDAHEL FHVITSSLEDERDRQPRVTHLFDVHSLEQQSEITPKQITCRTRGS  
 PHPTSNHWKSHQPFHGRLTSNMVCKHCEHQSPVRFDTFDSL SLSIPAATWGHPLTLDHCLHHFISSESVR  
 DVVCDNCTKIEAKGTLNGEKVEHQRTTFVKQLKLGKLPQCLCIHLQRLSWSSHGTPLKRHEHVQFNEFLM  
 MDIYKYHLLGHKPSQHNPKNLKNPGPTLELQDGPAPTPVLNQPAPKTQIFMNGACSPSLLPTLSAPMP  
 FPLPVVDPDYSSSTYLFRLMAVVVHHGDMHSGHFVYRSPPSARNPLSTSINQWLWVSDDTVRKASLQEV  
 LSSAYLLFYERVL SRMQHQSQECKSEE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_032663

**ORF Size:** 1551 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

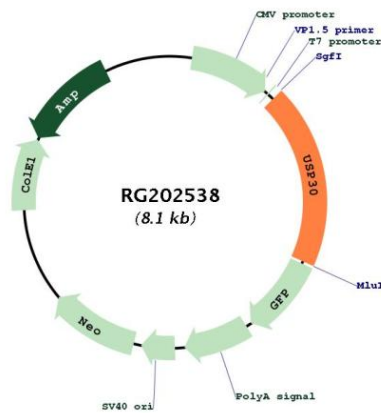
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:	<u>NM_032663.5</u>
RefSeq Size:	3766 bp
RefSeq ORF:	1554 bp
Locus ID:	84749
UniProt ID:	<u>Q70CQ3</u>
Cytogenetics:	12q24.11
Domains:	UCH
Protein Families:	Protease, Transmembrane
Gene Summary:	USP30, a member of the ubiquitin-specific protease family (see USP1, MIM 603478), is a novel mitochondrial deubiquitinating (DUB) enzyme (Nakamura and Hirose, 2008 [PubMed 18287522]).[supplied by OMIM, Dec 2008]

**Product images:**



Circular map for RG202538