

## Product datasheet for **RG202065**

### UCHL3 (NM\_006002) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UCHL3 (NM_006002) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UCHL3
Synonyms:	UCH-L3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202065 representing NM_006002 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGGTCAACGCTGGCTGCCGCTGGAGGCCAATCCCGAGGTCACCAACCAGTTTCTTAACAATTAG  
GTCTACATCCTAACTGGCAATTCGTTGATGTATATGGAATGGATCCTGAACCTTAGCATGGTACCAAG  
ACCAGTCTGTGCAGTCTTACTTCTTTTCTATTACAGAAAAGTATGAAGTATTCAGAACAGAAGAGGAA  
GAAAAAATAAAATCTCAGGGACAAGATGTTACATCATCAGTATATTTTCATGAAGCAAACAATCAGCAATG  
CCTGTGGAACAATTGGACTGATTCATGCTATTGCAAACAATAAAGACAAGATGCACCTTTGAATCTGGATC  
AACCTTGAAAAAATTCCTGGAGGAATCTGTGCAATGAGCCCTGAAGAACGAGCCAGATACCTGGAGAAC  
TATGATGCCATCCGAGTTACTCATGAGACCAGTGCCCATGAAGGTCAGACTGAGGCACCAAGTATAGATG  
AGAAAGTAGATCTTCATTTTATTGCATTAGTTCATGTAGATGGGCATCTCTATGAATTAGATGGCGGAA  
GCCATTTCCAATTAACCATGGTGAAGTGTGAACTTTATTAGAGGATGCCATAGAAGTTTGCAAG  
AAGTTTATGGAGCGCGACCCTGATGAACAAAGATTTAATGCGATTGCTCTTTCTGCAGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG202065 representing NM\_006002  
 Red=Cloning site Green=Tags(s)

MEGQRWLPLEANPEVTNQFLKQLGLHPNWQFVDVYGMPELLSMVPRPVCVAVLLLFPITEKYEVEFRTEEE  
 EKIKSQGQDVTSSVYFMKQTISNACGTIGLIHAIANNKDKMHFESGSTLKKFLEESVSMSPPEARARYLEN  
 YDAIRVTHETSAHEGQTEAPSIDEKVDLHFIALVHVDGHLVELDGRKPPFINHGSETDELLEDAIEVCK  
 KFMERDPDELRFNAIALSAA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006002

**ORF Size:** 690 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\\_006002.5](#)

**RefSeq Size:** 899 bp

**RefSeq ORF:** 693 bp

**Locus ID:** 7347

**UniProt ID:** [P15374](#)

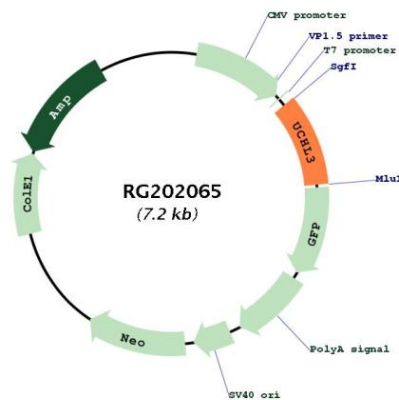
**Cytogenetics:** 13q22.2

**Domains:** Peptidase\_C12

**Protein Families:** Druggable Genome, Protease

**Gene Summary:** The protein encoded by this gene is a member of the deubiquitinating enzyme family. Members of this family are proteases that catalyze the removal of ubiquitin from polypeptides and are divided into five classes, depending on the mechanism of catalysis. This protein may hydrolyze the ubiquitinyl-N-epsilon amide bond of ubiquitinated proteins to regenerate ubiquitin for another catalytic cycle. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012]

### Product images:



Circular map for RG202065