

## Product datasheet for **MR204843**

### Uchl5 (NM\_001159866) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uchl5 (NM_001159866) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uchl5
Synonyms:	5830413B11Rik; Uch37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204843 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGAGCAATGCCGGGAGTGGTGTCTCATGGAAAGCGACCCCGGGTCTTCACCGAGCTCATTAAAG  
GATTCGGTTGCCGAGGGGCCAAGTAGAAGAAATATGGAGCTTAGAACCTGAGAGTTTTGAAAAGCTAAA  
GCCAGTTCATGGGTTAATTTTTCTTTCAAGTGGCAGCCAGGAGAAGAACCTGCTGGCTCTGTGGTTCAG  
GACTCCAGACTTGAAACAATATTTTTGCAAGCAGGTAATTAATAATGCTTGTGCCACTCAGGCTATCG  
TAAGTGTACTACTGAACTGTACGCATCAAGATGTGCATTTAGGAGAGACATTATCAGAATTTAAAGAATT  
TTCCCAAAGTTTTGATGCAGCTATGAAGGGCTGGCATTGAGTAACTCAGATGTGATTGACAAGTGCAC  
AACAGTTTTGCCAGGCAGCAGATGTTTGAATTTGATACAAAGACACCAGCCAAAGAGGAGGATGCTTTTC  
ACTTTGTGAGTACGTTCCAGTCAATGGGAGGCTGTATGAACTAGATGGGTTAAGAGAAGGCCCAATTGA  
TTAGGTGCATGCAATCAAGATGACTGGATTACTGCAGTGAGGCCAGTAAAGAGAAAAGGATTCAAAAG  
TATAGTGAAGGAGAAATTCGATTTAATTTAATGGCCATTGTATCTGACAGAAAAATGATATATGAACAGA  
AGATAGCAGAGTTACAAAGACAACCTGCAGAGGAACCCATGGATACAGATCAAGGTAGTACCGTGTAAAG  
TGCTATTCAGTCAGAAGTTGCCAGAAACCATGCTTATTGAAGAAGAGGTACAAAAGTTAAAGAGATAT  
AAGATTGAAAATATCAGAAGGAAGCATAATTACTTGCCTTTCATTATGGAGTTGTTAAAGACCTTAGCTG  
AGCACCAGCAGTTAATTCACCTTGTGAAAAGGCCAAAAGAAAACAGAATGCAAAGAAAGCTCAGGAAAC  
TAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR204843 protein sequence  
Red=Cloning site Green=Tags(s)

MSSNAGEWCLMESDPGVFTELIKFGGCRGAQVEEIWSLEPESFEKLPVHGLIFLFWQPGEEPAGSVVQ  
 DSRLETIFFAKQVINNACATQAI VSVLLNCTHQDVHLGETLSEFKEFSQSFDAAMKGLALSNSDVIRQVH  
 NSFARQQMFEDTKTPAKEEDAFHFVSYVPVNGRLYELDGLREGPIDLGACNQDDWITAVRPVIEKRIQK  
 YSEGEIRFNLMIAIVSDRKMIEYEQKIAELQRQLAEPPMDTDQGSTVLSAIQSEVARNQMLIEEEVQKLKRY  
 KIENIRRKHNYLPIFIMELLKTLAEHQQLIPLVEKAKEKQNAKKAQETK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001159866

**ORF Size:** 987 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:** [NM\\_001159866.1](#), [NP\\_001153338.1](#)

**RefSeq Size:** 1848 bp

**RefSeq ORF:** 987 bp

**Locus ID:** 56207

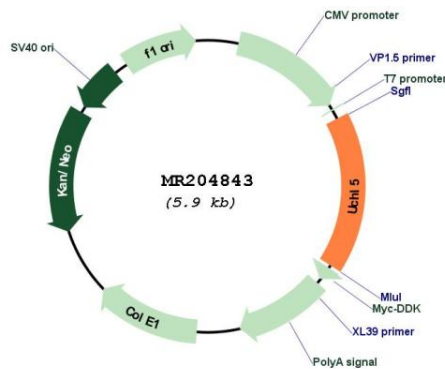
**UniProt ID:** [Q9WUP7](#)

**Cytogenetics:** 1 62.54 cM

**MW:** 37.5 kDa

**Gene Summary:** Protease that specifically cleaves 'Lys-48'-linked polyubiquitin chains. Deubiquitinating enzyme associated with the 19S regulatory subunit of the 26S proteasome. Putative regulatory component of the INO80 complex; however is inactive in the INO80 complex and is activated by a transient interaction of the INO80 complex with the proteasome via ADRM1 (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR204843