

## Product datasheet for MR216635

### Uchl5 (NM\_019562) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uchl5 (NM_019562) 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:	>MR216635 representing NM_019562 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGAGCAATGCCGGGAGTGGTGTCTCATGGAAAGCGACCCCGGGTCTTCACCGAGCTCATTAAAG  
GATTCGGTTGCCGAGGGGCCAAGTAGAAGAAATATGGAGCTTAGAACCTGAGAGTTTTGAAAAGCTAAA  
GCCAGTTCATGGGTTAATTTTTCTTTCAAGTGGCAGCCAGGAGAAGAACCTGCTGGCTCTGTGGTTCAG  
GACTCCGACTTGAAACAATATTTTTGCAAGCAGGTAATTAATAATGCTTGTGCCACTCAGGCTATCG  
TAAGTGTACTACTGAACTGTACGCATCAAGATGTGCATTTAGGAGAGACATTATCAGAATTTAAAGAATT  
TTCCCAAAGTTTTGATGCAGCTATGAAGGGCTGGCATTGAGTAACTCAGATGTGATTCGACAAGTGCAC  
AACAGTTTTGCCAGGCAGCAGATGTTTGAATTTGATACAAAGACACCAGCCAAAGAGGAGGATGCTTTTC  
ACTTTGTCAAGTACGTTCCAGTCAATGGGAGGCTGTATGAACTAGATGGGTTAAGAGAAGGCCCAATTGA  
TTAGGTGCATGCAATCAAGATGACTGGATTACTGCAGTGAGGCCAGTAAAGAGAAAAGGATTCAAAAG  
TATAGTGAAGGAGAAATTCGATTTAATTTAATGGCCATTGTATCTGACAGAAAAATGATATATGAACAGA  
AGATAGCAGAGTTACAAAGACAACCTGCAGAGGAACCCATGGATACAGATCAAGGTAGTACCGTGTAAAG  
TGCTATTCAGTCAGAAGTTGCCAGAAACCATGCTTATTGAAGAAGAGGTACAAAAGTTAAAGAGATAT  
AAGATTGAAAATATCAGAAGGAAGCATAATTACTTGCCTTTTATTATGGAGTTGTTAAAGACCTTAGCTG  
AGCACCAGCAGTTAATTCACCTTGTGAAAAGGCCAAAAGAAAACAGAATGCAAAGAAAGCTCAGGAAAC  
TAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR216635 representing NM\_019562  
Red=Cloning site Green=Tags(s)

MSSNAGEWCLMESDPGVFTELKGFSGCRGAQVEE IWSLEPESFEKLPVHGLIFLFWQPGEEPAGSVVQ  
 DSRLETIFFAKQVINNACATQAI VSVLLNCTHQDVHLGETLSEFKEFSQSFDAAMKGLALSNSDVIRQVH  
 NSFARQQMFEDTKTPAKEEDAFHFVSYVPVNGRLYELDGLREGPIDLGACNQDDWITAVRPVIEKRIQK  
 YSEGEIRFNLMIAIVSDRKMIEYEQKIAELQRQLAE EPMDDQGSTVLSAIQSEVARNQMLIEEEVQKLKRY  
 KIENIRRKHNYLPFIMELLKTLAEHQQLIPLVEKAKEKQNAKKAQETK

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\_019562

**ORF Size:** 984 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\\_019562.1](#), [NM\\_019562.2](#), [NP\\_062508.2](#)

**RefSeq Size:** 1851 bp

**RefSeq ORF:** 990 bp

**Locus ID:** 56207

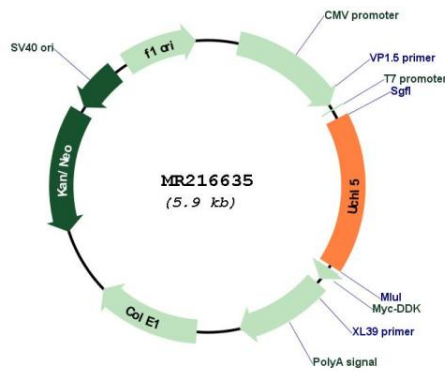
**UniProt ID:** [Q9WUP7](#)

**Cytogenetics:** 1 62.54 cM

**MW:** 38.1 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 MR216635