

Product datasheet for **MG204843**

Uchl5 (NM_019562) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uchl5 (NM_019562) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Uchl5
Synonyms: 5830413B11Rik; Uch37
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204843 representing NM_019562
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGAGCAATGCCGGGAGTGGTGTCTCATGGAAAGCGACCCCGGGTCTTCACCGAGCTCATTAAAG
GATTCGGTTGCCGAGGGCCCAAGTAGAAGAAATATGGAGCTTAGAACCTGAGAGTTTTGAAAAGCTAAA
GCCAGTTCATGGGTTAATTTTTCTTTCAAGTGGCAGCCAGGAGAAGAACCTGCTGGCTCTGTGGTTCAG
GACTCCAGACTTGAAACAATATTTTTGCAAGCAGGTAATTAATAATGCTTGTGCCACTCAGGCTATCG
TAAGTGTACTACTGAAGTGTACGCATCAAGATGTGCATTTAGGAGAGACATTATCAGAATTTAAAGAATT
TTCCCAAAGTTTTGATGCAGCTATGAAGGGCTGGCATTGAGTAACTCAGATGTGATTCGACAAGTGCAC
AACAGTTTTGCCAGGCAGCAGATGTTTGAATTTGATACAAGACACCAGCCAAAGAGGAGGATGCTTTTC
ACTTTGTGAGTACGTTCCAGTCAATGGGAGGCTGTATGAACTAGATGGGTTAAGAGAAGGCCCAATTGA
TTTAGTGCATGCAATCAAGATGACTGGATTACTGCAGTGAGGCCAGTAAAGAGAAAAGGATTCAAAAG
TATAGTGAAGGAGAAATTCGATTTAATTTAATGGCCATTGTATCTGACAGAAAAATGATATATGAACAGA
AGATAGCAGAGTTACAAAGACAACCTGCAGAGGAACCCATGGATACAGATCAAGGTAGTACCGTGTAAAG
TGCTATTCAGTCAGAAGTTGCCAGAAACCATGCTTATTGAAGAAGAGGTACAAAAGTTAAAGAGATAT
AAGATTGAAAATATCAGAAGGAAGCATAATTACTTGCCTTTTCATTATGGAGTTGTTAAAGACCTTAGCTG
AGCACCAGCAGTTAATTCACCTTGTGAAAAGGCCAAAAGAAAACAGAATGCAAAGAAAGCTCAGGAAAC
TAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204843 representing NM_019562
Red=Cloning site Green=Tags(s)

MSSNAGEWCLMESDPGVFTELKGF GCRGAQVEE IWSLEPESFEK LKPVHGLIFL FKWQPGEEPAGSVVQ
 DSRLETIFFAKQVINNACATQAI VSVLLNCTHQDVHLGETLSEFKEFSQSFDAAMKGLALSNSDVIRQVH
 NSFARQQMFEDTKTPAKEEDAFHFVSYVPVNGRLYELDGLREGPIDLGACNQDDWITAVRPVIEKRIQK
 YSEGEIRFNLMIAIVSDRKMIEYEQKIAELQRQLAE EPMDDQGSTVLSAIQSEVARNQMLIEEEVQKLKRY
 KIENIRRKHNYLPFIMELLKTLAEHQQLIPLVEKAKEKQNAKKAQETK

TRTRPLE - GFP Tag - V

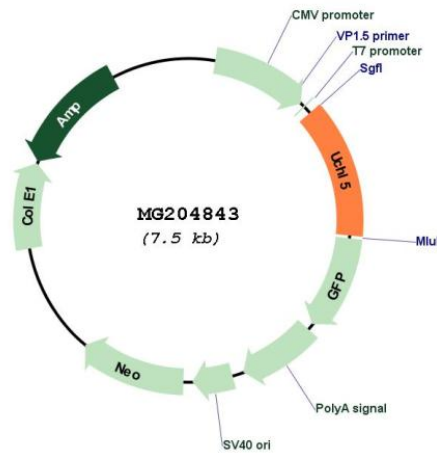
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_019562

ORF Size: 1848 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:	<ol style="list-style-type: none">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
RefSeq Size:	1143 bp
RefSeq ORF:	990 bp
Locus ID:	56207
UniProt ID:	Q9WUP7
Cytogenetics:	1 62.54 cM
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]