

Product datasheet for **MC209881**

Uchl3 (NM_016723) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uchl3 (NM_016723) Mouse Untagged Clone
Tag: Tag Free
Symbol: Uchl3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209881 representing NM_016723
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGTCAACGCTGGCTGCCGCTGGAGGCCAACCCCTGAGGTCACCAACCAGTTTCTCAAGCAGTTAG
GCCTGCATCCTAACTGGCAGTTTGTGATGTGTACGGAATGGAGCCTGAACCTCTTAGCATGGTACCAAG
ACCAGTATGCGCAGTGTACTCCTCTCCCTATCACAGAAAAGTGAAGTCTCAGAACAAGAGGAA
GAAAAGATAAAATCTCAAGGACAAGATGTGACATCATCAGTATATTTTATGAAACAAACCATCAGCAATG
CCTGTGGAACGATTGGACTAATCCATGCCATTGCGAACAAAGACAAGATGCACCTCGAATCAGGGTC
AACATTGAAAAAGTTCTGGAGGAGTCTGTATCAATGAGCCCTGAAGAGAGAGCCAAATCCTGGAGAAC
TATGACGCTATTCGAGTTACTCATGAAACCAGTGCACATGAAGGTGAGACTGAGGCACCAAGTATAGATG
AAAAAGTAGATCTTCATTTTATTGCGTTAGTACATGTAGATGGGCATCTCTATGAATTAGATGGACGGAA
ACCATTTCCAATTAACCATGGGAAAAGTGTGATGAGACGTTGTTAGAGGATGCCATAGAAGTTTGAAG
AAGTTCATGGAACGCGACCCTGATGAGTTAAGATTTAATGAATTGCTCTCTCAGCGGCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_016723
Insert Size: 693 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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_016723.2 , NP_057932.2
RefSeq Size:	947 bp
RefSeq ORF:	693 bp
Locus ID:	50933
UniProt ID:	Q9JKB1
Cytogenetics:	14 50.9 cM
Gene Summary:	Deubiquitinating enzyme (DUB) that controls levels of cellular ubiquitin through processing of ubiquitin precursors and ubiquitinated proteins. Thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of either ubiquitin or NEDD8. Has a 10-fold preference for Arg and Lys at position P3", and exhibits a preference towards 'Lys-48'-linked ubiquitin chains. Deubiquitinates ENAC in apical compartments, thereby regulating apical membrane recycling. Indirectly increases the phosphorylation of IGFIR, AKT and FOXO1 and promotes insulin-signaling and insulin-induced adipogenesis. Required for stress-response retinal, skeletal muscle and germ cell maintenance. May be involved in working memory. Can hydrolyze UBB(+1), a mutated form of ubiquitin which is not effectively degraded by the proteasome.[UniProtKB/Swiss-Prot Function]