

Product datasheet for **MG202576**

Uchl1 (NM_011670) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uchl1 (NM_011670) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uchl1
Synonyms:	AW822034; C88048; gad; PGP 9.5; PGP9.5; R75593; UCH-L1; UCHL-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202576 representing NM_011670 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCTGAAGCCGATGGAGATTAACCCCGAGATGCTGAACAAAGTGTTGGCCAAGCTGGGGTCCGCC
GCCAGTGGCGCTTCGCCGACGTGCTAGGGCTGGAGGAGGAGACTCTGGGCTCAGTGCCATCCCCTGCCTG
CGCCCTGTGCTCCTGTTCCCTCACGGCCAGCATGAAAACCTCAGGAAAAGCAAATTGAGGAACTG
AAGGGACAGGAAGTTAGCCCTAAAGTTTACTTCATGAAGCAGACCATCGGAAACTCCTGTGGTACCATCG
GGTTGATCCACGCAGTGGCCAACAACCAAGACAAGCTGGAATTTGAGGATGGATCCGTCTGAAACAGTT
TCTGTCTGAAACGAGAAGCTGTCCCCGAAGATAGAGCCAAGTGTTCGAGAAGAACGAGGCCATCCAG
GCGGCCATGACTCCGTGGCCCAGGAGGCCAGTGTCCGGTAGATGACAAAGTGAATTTCCATTTTATTC
TGTTCAACAACGTGGACGGCCATCTGTACGAGCTCGATGGGCGAATGCCCTTTCCAGTGAACCATGGCGC
CAGCTCAGAGGACTCTCTGCTGCAGGATGCTGCCAAGTCTGCAGAGAATCACTGAGCGCGAGCAGGGG
GAGGTCCGCTTCTCTGCCGTGGCTCTCTGCAAAGCAGCT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202576 representing NM_011670
 Red=Cloning site Green=Tags(s)

MLQKPMEINPEMLNKLAKLGVAGQWRFADVLGLEEETLGSVPSACALLLLFPLTAQHENFRKKQIEEL
 KGQEVSPKVVYFMKQTIGNSCGTIGLIHAVANNQDKLEFEDGSVLKQFLSETEKLSPEDRAKCFEKNEAIQ
 AAHDSVAQEGQCRVDDKVNHFHILFNNVDGHLYELDGRMPFPVNHGASSEDSLLQDAAKVCREFTEREQGG
 EVRFSVAVALCKAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011670

ORF Size: 669 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_011670.2](#), [NP_035800.2](#)

RefSeq Size: 1156 bp

RefSeq ORF: 672 bp

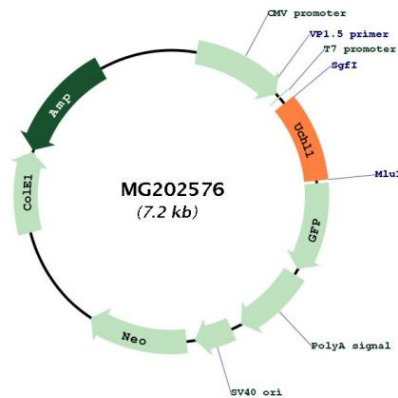
Locus ID: 22223

UniProt ID: [Q9R0P9](#)

Cytogenetics: 5 35.95 cM

Gene Summary: Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins (Probable). This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin (PubMed:12913066). Also binds to free monoubiquitin and may prevent its degradation in lysosomes (PubMed:12913066). The homodimer may have ATP-independent ubiquitin ligase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202576