

## Product datasheet for RC233770

### UCH37 (UCHL5) (NM\_001199262) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UCH37 (UCHL5) (NM_001199262) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UCH37
Synonyms:	CGI-70; INO80R; UCH-L5; UCH37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233770 representing NM_001199262 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGGCAATGCCGGGAGTGGTGCCTCATGGAAAGCGACCCCGGGTCTTCACCGAGCTCATTAAAG  
GATTCGGTTGCCGAGGAGCCCAAGTAGAAGAAATATGGAGTTTAGAGCCTGAGAATTTTGAAAAATAAA  
GCCAGTTCATGGGTTAATTTTCTTTCAAGTGGCAGCCAGGAGAAGAACCAGCAGGCTCTGTGGTTCAG  
GACTCCCGACTTGACACGATATTTTCTGTAAGCAGGTAATTAATAATGCTTGTGCTACTCAAGCCATAG  
TGAGTGTGTTACTGAACTGTACCCACCAGGATGTCCATTTAGGCGAGACATTATCAGAGTTTAAAGAATT  
TTCACAAAGTTTTGATGCAGCTATGAAAGGCTTGGCACTGAGCAATTCAGATGTGATTCGACAAGTACAC  
AACAGTTTCGCCAGACAGCAAATGTTTGAATTTGATACGAAGACATCAGCAAAAGAAGAAGATGCTTTTC  
ACTTTGTGAGTTATGTTCTGTTAATGGGAGACTGTATGAATTAGATGGATTAAGAGAAGGACCGATTGA  
TTTAGGTGCATGCAATCAAGATGATTGGATCAGTGCAGTAAGGCCTGTCATAGAAAAAGGATACAAAAG  
TACAGTGAAGGTGAAATTCGATTTAATTTAATGGCCATTGTGTCTGACAGAAAAATGATATATGAGCAGA  
AGATAGCAGAGTTACAAAGACAACCTGCAGAGGAACCCATGGATACAGATCAAGGTAATAGTATGTTAAG  
TGCTATTCAGTCAGAAGTTGCCAAAAATCAGATGCTTATTGAAGAAGAAGTACAGAAATTTAAAGACTTTAGCAG  
AAGATTGAGAATATCAGAAGGAAGCATAATTATCTGCCTTTCATTATGGAATTGTTAAAGACTTTAGCAG  
AACACCAGCAGTTAATACCACTAGTAGAAAAGTTTGAGAAACACTTTGAGAAGACACTACTAGGCAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC233770 representing NM\_001199262  
 Red=Cloning site Green=Tags(s)

MTGNAGEWCLMESDPGVFTELKGFGCRGAQVEE IWSLEPENFEKLPVHGLIFLFWQPGEEPAGSVVQ  
 DSRLDTIFFAKQVINNACATQAI VSVLLNCTHQDVHLGETLSEFKEFSQSFDAAMKGLALSNSDVIRQVH  
 NSFARQQMFEDTKTSAKEEDAFHFVSYVPVNGRLYELDGLREGPIDLGACNQDDWISAVRPVIEKRIQK  
 YSEGEIRFNLMIAIVSDRKMIEYEQKIAELQRQLAE EPMDDQGNMSLSAIQSEVAKNQMLIEEEVQKLKRY  
 KIENIRRKHNYL PFI MELLKTLAEHQQLIPLVEKFEKHFECTLLGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001199262

**ORF Size:** 978 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\\_001199262.3](#)

**RefSeq Size:** 1629 bp

**RefSeq ORF:** 981 bp

**Locus ID:** 51377

**UniProt ID:** [Q9Y5K5](#)

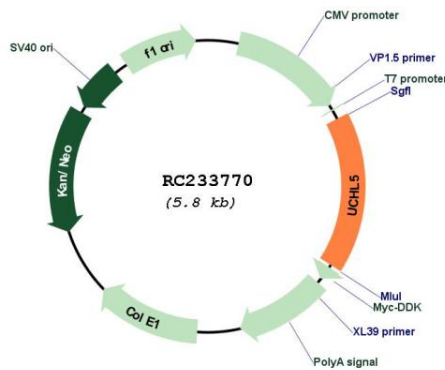
**Cytogenetics:** 1q31.2

**Protein Families:** Druggable Genome, Protease

**MW:** 37.8 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. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC233770