

Product datasheet for **SC114560**

UCH37 (UCHL5) (NM_015984) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UCH37 (UCHL5) (NM_015984) Human Untagged Clone
Tag:	Tag Free
Symbol:	UCH37
Synonyms:	CGI-70; INO80R; UCH-L5; UCH37
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_015984 edited
GAATTCGGCACGAGGCTCGTGCCGAATTCGGCACGAGGGTGTGGTTGACGAGCTCGGCC
GCGGGTTTGTGAGATCTGTGGCCGGCGGCAGCTGGTGCGGGGGCGAGCTGAGAGCGAGA
GGTGGATCGGGGCGGTGTGTGGCCAGGGCCATGACGGCAATGCCGGGGAGTGGTGCCTC
ATGGAAAGCGACCCCGGGTCTTCACCGAGCTCATTAAAGGATTCGGTTGCCGAGGAGCC
CAAGTAGAAGAAATATGGAGTTTAGAGCCTGAGAATTTGAAAAATTAAGCCAGTTCAT
GGTTAATTTTTCTTTCAAGTGGCAGCCAGGAGAAGAACCAGCAGGCTCTGTGGTTCAG
GACTCCCGACTTGACACGATATTTTTGCTAAGCAGTAATTAATAATGCTTGTGCTACT
CAAGCCATAGTGAGTGTGTTACTGAACTGTACCCACCAGGATGTCCATTTAGCGGAGACA
TTATCAGAGTTTAAAGAATTTTCAAAAGTTTTGATGCAGCTATGAAAGGCTTGGCACTG
AGCAATTCAGATGTGATTCGACAAGTACACAACAGTTTCGCCAGACAGCAAAATGTTTGAA
TTTGATACGAAGACATCAGCAAAAGAAGAAGATGCTTTTCACTTTGTCAGTTATGTTCTC
GTTAATGGGAGACTGTATGAATTAGATGGATTAAGAGAAGGACCGATTGATTTAGGTGCA
TGCAATCAAGATGATTGGATCAGTGCAGTAAGGCCTGTCATAGAAAAAGGATACAAAAG
TACAGTGAAGGTGAAATTCGATTTAATTTAATGGCCATTGTGCTGACAGAAAAATGATA
TATGAGCAGAAGATAGCAGAGTTACAAAGACAACCTGCAGAGGAGGAACCCATGGATACA
GATCAAGTAATAGTATGTTAAGTGCTATTCAGTCAGAAGTTGCCAAAAATCAGATGCTT
ATTGAAGAAGAAGTACAGAAATTAAGAGATACAAGATTGAGAATATCAGAAGGAAGCAT
AATTATCTGCCTTTCATTATGGAATTGTTAAAGACTTTAGCAGAACACCAGCAGTTAATA
CCACTAGTAGAAAAGGCAAAAAGAAAAACAGAACGCAAAGAAAGCTCAGGAAACCAATGA
AGATGTTTTAGATATGTACACATTTCTGCTTCTGCACATATTTTCATGGAAACCATTAT
GTATAAAGAACTTAGAGCAACATCCTAATTGGCTCAGTGCACGTTTGGCAATAGTGCCAG
CCTGTCTTGTCTTAAATGCATGGATTCATAAACTTCTTCCCTACCTGCATCATGTGCATG
TAGTGCATATTAATGAAAGTGATATTAAGAATGCTTTCCCAAATTCATTATTTGACAT
TGAGTCTGACAACTGTTAGTTTTCTGGTTGTCTAACTACCATATGAAGCTAGAAAATGCA
CAAACGATATTCCTTATCTGTAATTTAAATACTTAAAATTTGCAATTGTCAGATCTTGAT
TAAACTGGTTGTCTTATTTCTTCTCATCATTAACGGAAAAAAAATCAGTATTTCTATCTT
TGATATCTAAGTGTTTTGAGGATTTTAAACTGAATTTTATCTGCTATACCAGTATTTG
AGAAAGTATGATTTTAAATGTAATCATTTAAAAAGGACAAAAGTATAATTTCCAGTGATT
TTCAGTGTGTCAGTAGAAAAGTAAATAACATCTCAATTTTATTTAGTAAATTTTCTTC
AAGTGTGGGGTATTTGTTTATGTATTAGAGAATTGTTTCAGGAAGGTCTGAGTATTA
TGGTTCAAAGCAAAATTTCAAGTTAAGAAGAAATGTAATCTTAAAGAATGTTGGTGT
ACTCTCAATGGAATATTGTTCAAGCTGTAAGCTGTGTATAAAAAACTGGAGGTCTGA
CAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015984 unedited
TATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGCTCGTGCCGAATTCGGCAC
GAGGGTGTGGTTGACGAGCTCGGCGGGGTTTGTCTGAGATCTGTGGCCGGCGGCAGCTG
GTGCGGGGGCAGCTGAGAGCGAGAGGTGGATCGGGGCGGTGTGTGGCCAGGGCCATGAC
GGGCAATGCCGGGGAGTGGTGCCTCATGGAAAGCGACCCCGGGTCTTACCCGAGCTCAT
TAAAGGATTCGGTTGCCGAGGACCCAAGTAGAAGAAATATGGAGTTTAGAGCCTGAGAA
TTTTGAAAAATTAAGCCAGTTCATGGGTTAATTTTTCTTTTCAAGTGGCAGCCAGGAGA
AGAACCAGCAGGCTCTGTGGTTCAGGACTCCCGACTTGACACGATATTTTTTGTAAAGCA
GGTAATTAATAATGCTTGTGCTACTCAAGCCATAGTGAGTGTGTTACTGAACTGTACCCA
CCAGGATGTCCATTTANGCGAGACATTATCAGAGTTTAAAGAATTTTACAAAAGTTTTGA
TGCAGCTATGANAGGCTTGGCACTGAGCAATTCAGATGTGATTGANCAGTACACAACAG
TTTTGCCAGACAGCANATGTTTGAATTTGATACGAAGACATCAGCAAAAGAAGAAGATGC
TTTTCACTTTGTCAGNTATGTTCTTTGTATGGGAGACTGTATGAATTANATGGATTAAG
AGAAGACCCGATGATTTANNGTGCATGCATCAGATGATTGGATCAGTGCAGTANGGCCTG
TCATANAAAAAGATACCANAGTACAGTGAAGGTGAATTCGATTTATTTAATGGGCCATTG
TGCTGACAGAAAATGATTTATGAGCAGAAGATAGCAGAGTTACAAAGACCACCTTGACAGA
GGGAGGAACCCATGGATACAGATCAAGGGAATAGTTTGTAAAGTCTATTCAANNNAAG
TTGCCAAAATCAGATGCTTATGGNAGAANAGTNCNGANTTAAANGNATCCAGATGGGATT
TCNGAGGGAGCTANNTTTTTGCTTTCTTTAGGNATGGTAAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015984 unedited
CTCCATTTTTTAAACACGNCTTACAAGNCTTGAAACATATTCATTGAGAGTAACACCA
ACATTCCTTAAGATTTACAATTTCTTAACTGAATTTTGTCTTGAACCATAAATACTC
AGACCTTCCTGAAACAATTTCTCTAATACATAAAACAAATAACCCCAACACTTGAAGAAAA
TTTACTAAAAATAAATGAGATGTTTATTACTTTTCTACTGACAGCAGTAAAACTACTG
GAAATTACTTTTGTCTTTTTAAATGATTTACATTAATAATCATACTTTCTCAAATAAC
TGGTATAGCAGATAAAATTCAGTTTTAAATCCTCAAAACACTTAGATATCAAAGATAGA
AATACTGATTTTTTTCCGTTAATGATGAGAAGAAATAAGACAACCAGTTAATCAAGAT
CTGACAATTGCAAATTTAAGTATTTAAATTACAGATAAGGAATATCGTTTGTGCATTTT
CTAGCTTCATATGGTAGTTAGACAACCGAAAACTAACAGTTGTCAGACTCAATGTCAAA
TAATGGAATTTGGGAAAGCATTCTTAATATCACTTTTCAATTAATATGCACTACATGCACA
TGATGCAGGTAGGAAAGAAGTTTATGAATCCATGCATTAAAGACAAGACAGGCTGGCAC
TATTGCCAAACGTGCACTGAGCCATTANGATGTTGCTCTAAAGTCTTATCATAATGGTTT
TCATGAAATATGTGCAGAGCAGAAATGTGACATATCTGAAAAATCTCATTGGTTNCTGA
GCTTCTTGTGCTGCTGTTTTCTTTGGCTTTCTACTANGGATAACGGGGGGGTCGGCAA
AGCTTAAACCATATGAAAGCGAAATTTGCTCCTCGAGATCCAACCTGGTATTTTAAACC
GGCCTTCTTAAACCACCGATTGGAACCTGACGAAACCCATAAACTTACCGACGGTCAAG
GGCCCTCA

Restriction Sites:

NotI-NotI

ACCN:

NM_015984

Insert Size:

2190 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).

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_015984.1 , NP_057068.1
RefSeq Size:	1728 bp
RefSeq ORF:	990 bp
Locus ID:	51377
UniProt ID:	Q9Y5K5
Cytogenetics:	1q31.2
Domains:	Peptidase_C12
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>