

Product datasheet for **SC331284**

UCH37 (UCHL5) (NM_001199263) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UCH37 (UCHL5) (NM_001199263) Human Untagged Clone
Tag: Tag Free
Symbol: UCH37
Synonyms: CGI-70; INO80R; UCH-L5; UCH37
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331284 representing NM_001199263.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACGGGCAATGCCGGGAGTGGTGCCTCATGGAAAGCGACCCCGGGTCTTCACCGAGCTCATTAAA
GGATTCGGTTGCCGAGGAGCCCAAGTAGAAGAAATATGGAGTTTAGAGCCTGAGAATTTTGAAAAATTA
AAGCCAGTTCATGGGTTAATTTTTCTTTTCAAGTGGCAGCCAGGAGAAGAACCAGCAGGCTCTGTGGTT
CAGGACTCCCGACTTGACACGATATTTTTGCTAAGCAGGTAATTAATAATGCTTGTGCTACTCAAGCC
ATAGTGAGTGTGTTACTGAAGTGTACCCACCAGGATGTCCATTTAGGCGAGACATTATCAGAGTTTAAA
GAATTTTCACAAAGTTTTGATGCAGCTATGAAAGGCTTGGCACTGAGCAATTCAGATGTGATTTCGACAA
GTACACAACAGTTTCGCCAGACAGCAAAATGTTTGAATTTGATACGAAGACATCAGCAAAAAGAAGAGAT
GCTTTTCACTTTGTGAGTTATGTTTCTGTTAATGGGAGACTGTATGAATTAGATGGATTAAGAGAAGGA
CCGATTGATTTAGGTGCATGCAATCAAGATGATTGGATCAGTGCAGTAAGGCCTGTCATAGAAAAAAGG
ATACAAAAGTACAGTGAAGGTGAAATTCGATTTAATTTAATGGCCATTGTGTCTGACAGAAAAATGATA
TATGAGCAGAAGATAGCAGAGTTACAAAGACAACCTGCAGAGGAACCCATGGATACAGATCAAGGTAAT
AGTATGTTAAGTGCTATTCAGTCAGAAGTTGCCAAAAATCAGATGCTTATTGAAGAAGAAGTACAGAAA
TTAAAAAGATACAAGATTGAGAATATCAGAAGGAAGCATAATTATCTGCCTTTCATTATGGAATTGTTA
AAGACTTTAGCAGAACCACGAGTTAATACCACTAGTAGAAAAGGGAAAATAG
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001199263
Insert Size: 951 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:

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_001199263.1](#)

RefSeq Size: 1554 bp

RefSeq ORF: 951 bp

Locus ID: 51377

UniProt ID: [Q9Y5K5](#)

Cytogenetics: 1q31.2

Protein Families: Druggable Genome, Protease

MW: 36.1 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]

Transcript Variant: This variant (4) uses an alternate in-frame splice site in the central coding region and uses a distinct splice pattern in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (4) lacks one internal residue and has a shorter and distinct C-terminus, compared to 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.