

Product datasheet for **SC122859**

UBQLN3 (NM_017481) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBQLN3 (NM_017481) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBQLN3
Synonyms:	TUP-1
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_017481 edited
TGTGTAGCAAGATGAGGGAGGTTTGGAGCCCTGCATAAAGAGAAGGACGGGACCACAGCT
GACTGTGTGTCCCCACAGATCTGGGCCTCTGCTGCCACCATGGCCAAAGGTGGAGAAG
CCCTGCCACAGGGCAGCCAGCACCAGTCCAGGATCCCCACCTCATCAAGGTGACAGTGA
AGACGCCCAAAGACAAGGAGGATTTCTCAGTTACAGACACATGCACTATCCAGCAGCTGA
AGGAAGAGATATCTCAGCGCTTTAAGGCCACCCCGATCAGCTTGTTCTAATCTTTGCTG
GCAAAATCCTCAAGGATCCTGACTCACTGGCACAGTGTGGAGTGGGAGATGGCCTCACTG
TCCACCTGGTCATCAAGAGGCAGCACCCGTGCCATGGGCAATGAGTGCCAGCTGCCTCTG
TCCTACCCAGGGCCCAAGTCTGGATCACTCCCTCAGCCAAGCTCCATTTACCCAGCAG
ATGGGCCCCCTGCCTTTAGCTTAGGTCTCCTCACAGGCCTCAGTAGGCTGGGCTTGGCCT
ATCGTGGCTTCCCTGACCAGCCAAGCTCCCTGATGCGGCAGCATGTGTCTGTGCCTGAGT
TTGTGACTCAGCTCATTGATGACCCCTTCATCCCGGTCTGCTGTCCAACACAGGCCTAG
TACGCCAGCTGGTTCTTGACAACCCCATATGCAGCAGCTGATCCAGCACAAACCTGAGA
TTGGGCATATTCTTAACAACCCGAAATATGCGGCAGACACTGGAGTTTTTACGTAACC
CTGCCATGATGCAGGAGATGATACGTAGCCAGGACCGGGTCTCAGTAACCTGGAGAGCA
TTCTGTGGTACAATGTGCTTTGCACTATGTACACAGATATTATGGACCCAATGCTTA
ACGCAGTCCAGGAGCAGTTTGGCGGCAATCCCTTTGCCACTGCCACTACTGATAATGCCA
CCACCACCACAGCCAACCTTCAAGGATGGAGAATTGTGACCCTCTCCCAACCCCTGGA
CTTCTACACATGGAGGCTCAGGTAGCAGGCAAGGAAGGCAGGATGGGGATCAGGATGCAC
CTGACATTAGAAATAGGTTTCCAAACTTTCTGGGTATTATAAGGCTCTATGACTATCTCC
AGCAATTACACGAGAACCCCACTCCCTAGGAATTATCTACAGGGGACTGCATCTGCC
TCAGCCAAAGCCAGGAACCACCACATCAGTAAACAGAGTTCCCCATCGTCACCCTCAT
CTCAGGACCTGGGTGAGGCTCAGGCTCTCCCGAGGAGTCACTAGCAATCAAGGGAAGT
CCTCCTGCCAGCTTTCTGAGATACCCACAGAGAACAGTACTGGACAAGGTGGAGACC
AAGATGGTGCAGGAAAAGCTCTACTGGACATAGCACAACCTTGCTGATCTTGTCTCGG
GGCTGGGAGATTCTGCCAACAGGTTCCATTTGCTCCCTTATCTTTTTCCCCACGGCAG
CCATTCTGGAATCCCTGAGCCTCCCTGGCTGCCATCCCGGCTTATCCAAGATCTCTGA
GGCCAGATGGCATGAATCCAGCTCCACAGTTACAGGATGAGATACAACCACAGCTGCCAC
TGCTGATGCACCTTCAGGCAGCCATGGCAAACCCCGTCCCTGCAAGCCCTGCGGCAGA
TTGAGCAGGCTACAGGTCCTAGCTACTGAAGCACCTCGCTCCTACTCTGGTTCATGC
CTTGCCTAGCAGGACGGGTAGTGTGGCAGGAGGTATAGAGTCTAGAGAAGATCCCCTTA
TGTCTGAGGATCCTCTCCAAATCCACCTCCTGAGGTGTTCCACGACTGGACTCTGCAG
AGCTGGGCTTCTTTCCCTCCCTTTCTCCATATGCTGCAAGATTTAGTTAGTACAAATC
CCCAGCAGCTGCAGCCTGAGGCTCACTTTCAGGTGCAGCTGGAGCAACTGCGGTCCATGG
GCTTTCTGAATCGTGAAGCCAATCTTCAGGCCCTCATTGCTACGGGGGGGACGTGGATG
CTGCTGTGGAGAAGCTGAGACAGTCGTAGGAGCCTTATTCATTCAAACCATACGTTTTCC
TCTGTGCCTTTTTCCCATATCCTAGTCCCTAGCTCTCCATTTTTGAATACAGTGCAT
TATAAACCAAAATTTACTATGAAGTCCTTTGCTGTGGAGGCAATGTTGTTCCAGAGTCAAC
GAGGAAGACTAATGGCCAAAACATAGTGGAGGTGCTATGTGTGAGTCAACCACTTGTACC
ACTATACCACTGGGGGGCCAGTCTAAGCTCTGCTTATGCCTATCTTGAGATGCAATTA
CACCCAATTTCCATGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017481 unedited AGACGTTTCNCATTTGTATACGATTACTATAGGGCGGCCGCGATTCCCGGGCTTGTGTAGC AAGATGAGGGAGGTTTGGAGCCCTGCATAAAGAGAAGGACGGGACCACAGCTGACTGCTG TGTCCTCCACAGATCTGGGCTCCTGCTGCCACCATGGCCAAAGGTGGAGAAGCCCTGCCA CAGGGCAGCCAGCACCAGTCCAGGATCCCCACCTCATCAAGGTGACAGTGAAGACGCCC AAAGACAAGGAGGATTTCTCAGTTACAGACACATGCACTATCCAGCAGCTGAAGGAAGAG ATATCTCAGCGCTTTAAGGCCACCCCGATCAGTTGTTCTAATCTTTGCTGGCAAATC CTCAAGGATCCTGACTCACTGGCACAGTGTGGAGTGCAGATGGCCTCACTGTCCACCTG GTCATCAAGAGGCAGCACCGTGCCATGGGCAATGAGTGCCAGCTGCCTCTGTCCCTACC CAGGGCCCAAGTCTGGATCACTCCCTCAGCCAAGCTCCATTTACCCAGCAGATGGGCC CCTGCCTTTAGCTTATGTCTCCTCACAGGCCTCAGTAGGCTGGGCTTGGCCTATCGTGGC TTCCCTGACCAGCCAAGTCCCTGATGCGGCAGCATGTGTCTGTGCTGAGTTTGTGACT CAGCTCATTGATACCCCTTCATCCCGGTCTGCTGTCCAACACAGGCCTAGTACGCCAG CTGTTCTTGACAACCCCATATGCAGCAGCTGATCCAGCACAAACCTGAGATTGGGCAT ATTCTTAACAACCCCGAATTATGCGGCAGACACTGGNAGTTTTTACGTAACCCTGCCAT GATGCATGAGATGATACGTANCCAGGACCGGGTCTCAGTAACTGGAGAGCATTCTGG TG
Restriction Sites:	Please inquire
ACCN:	NM_017481
Insert Size:	2392 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_017481.2</u> , <u>NP_059509.1</u>
RefSeq Size:	2347 bp
RefSeq ORF:	1968 bp
Locus ID:	50613
UniProt ID:	<u>Q9H347</u>

Cytogenetics: 11p15.4

Protein Families: Druggable Genome

Gene Summary: This gene encodes a ubiquitin-like protein (ubiquilin) that shares a high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain an N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases, and are thus thought to functionally link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. This gene is specifically expressed in the testis. It has been suggested that this gene may regulate cell-cycle progression during spermatogenesis, however, it has been shown that the orthologous mouse gene is dispensable for embryonic development and spermatogenesis. [provided by RefSeq, Nov 2016]

Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.