

Product datasheet for **SC115216**

UBQLN2 (NM_013444) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBQLN2 (NM_013444) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBQLN2
Synonyms:	ALS15; CHAP1; DSK2; HRIHFB2157; N4BP4; PLIC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115216 sequence for NM_013444 edited (data generated by NextGen Sequencing)

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ATGGCTGAGAATGGCGAGAGCAGCGGCCCGCCCGCCCTCCCGCGGCCCTGCTGCGGCC
CAAGGCTCGGCTGCTGCCCCGGCTGAGCCTAAAATCATCAAAGTCACGGTGAAGACTCCC
AAAGAGAAAGAGGAGTTTCGGGTGCCCGAGAACAGCTCGGTTACAGAGTTAAGGAAGCG
ATTTGCGAAACGCTTCAAATCCCAAACCGATCAGCTAGTGTGATTTTTGCCGAAAAATC
TTAAAAGATCAAGATACCTTGATCCAGCATGGCATCCATGATGGGCTGACTGTTACCTT
GTCATCAAAGCCAGAACCAGCCTCAGGGCCAGTCCACGAGCCTAGCAATGCCGCGGA
ACTAACACTACCTCGGCTCGACTCCAGGAGTAACTCCACACCTATTTCCACAAATAGC
AACCCGTTTGGGTTGGGGAGCCTGGGAGGACTGCAGGCCTTAGCAGCCTGGGCTTGAGC
TCGACCACTTCTGAGCTCCAGAGCCAGATGCAGCAGCAGCTTATGGCCAGCCCTGAG
ATGATGATCCAAATAATGAAAAATCCCTTTGTTCCAGAGCATGCTTTCGAATCCCGATCTG
ATGAGGCAGCTCATTATGGCTAATCCACAGATGCAGCAATTGATTCAGAGAAACCCAGAA
ATCAGTCACTGTCAACAACCCAGACATAATGAGGCAGACACTCGAAATGCCAGGAAT
CCAGCCATGATGCAAGAGATGATGAGAAATCAAGACCTGGCTCTTAGCAATCTAGAAAGC
ATCCCAGGTGGCTATAATGCTTTACGGCCATGTACACTGACATTCAGAGCCGATGCTG
AATGCCGCACAAGAGCAGTTTGGGGTAATCCATTTGCCTCCGTGGGGAGTAGTTCCTCC
TCTGGGAAGGTACGCAGCCTTCCCGCACAGAAAAATCGCGATCCACTACCAATCCATGG
GCACCACCGCCAGCTACCCAGAGTTCTGCAACTACCAGCACGACCACAAGCACTGGTAGT
GGGTCTGGCAATAGTTCAGCAATGCTACTGGGAACACCGTTGCTGCCGTAATTATGTC
GCCAGCATCTTTAGTACCCAGGCATGCAGAGCCTGCTGCAACAGATAACTGAAAACCC
CAGCTGATTGAGAAATGCTGTGGGCCCTACATGAGAAGCATGATGCAGTCGCTGAGC
CAGAATCCAGATTTGGCTGCACAGATGATGCTGAATAGCCGCTGTTTACTGCAAACTCT
CAGCTGCAGGAGCAGATGCGGCCACAGCTCCAGCCTTCCCTGCAGCAGATGCAGAATCCA
GACACACTATCAGCCATGTCAAACCCAAGAGCAATGCAGGCTTTAATGCAGATCCAGCAG
GGGCTACAGACATTAGCCACTGAAGCACCTGGCCTGATTCGAGCTTCACTCCAGGTGTG
GGGGTGGGGTGTGGGAACCGCTATAGGCCCTGTAGGCCAGTCACCCCATAGGCCCC
ATAGGCCCTATAGTCCCTTTACCCCATAGGCCCATTTGGGCCATAGGACCCACTGGC
CCTGCAGCCCCCTGGCTCCACCGCTCTGGTGGCCCCACGGGGCTACTGTGTCCAGC
GCTGCACCTAGTAAAACACGAGTCTACATCAGAATCTGGACCCAACCAGCAGTTCATT
CAGCAAAATGGTGCAGGCCCTGGCTGGAGCAAAATGCTCCACAGCTGCCGAATCCAGAAGTC
AGATTTAGCAACAACCTGGAACAGCTCAACGCAATGGGGTTCTTAAACCGTGAAGCAAAC
TTGCAGGCCCTAATAGCAACAGGAGCGACATCAATGCAGCCATTGAAAGGCTGTGGGG
TCCAGCCATCGTAA
```

Clone variation with respect to NM_013444.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013444 unedited
 NGGGTCACCAATTGTATACGACTCACTATAGGCGGCCGCGATTCCGGCACGAGGGCGGTGC
 CTCCTTCTTCTCCTTCCCTCGCGCTCTCTCTTTCGCCCGCCCGCGCCTTCCCTGCCCG
 CCTGCGTCACCGCGGCCGCCATGGCTGAGAATGGCGAGAGCAGCGGCCCGCCCGCGCCCT
 CCCGCGGCCCTGCTGCGGCCAAGGCTCGGCTGCTGCCCGGCTGAGCCTAAAATCATCA
 AAGTCACGGTGAAGACTCCAAAAGAGAAAGAGGAGTTTCGCGGTGCCCGAGAACAGCTCGG
 TTCAGCAGTTTAAGGAAGCGATTTGAAAACGCTTCAAATCCCAAACCGATCAGCTAGTGC
 TGATTTTTGCGGAAAAATCTTAAAAGATCAAGATACCTTGATCCAGCATGGCATCCATG
 ATGGGCTGACTGTTACCTTGTTCATCAAAGCCAGAACCAGCCTCAGGGCCAGTCCACGC
 AGCCTAGCAATGCCGCGGGAACAACTACCTCGGCGTGCAGTCCAGGAGTAACCTCCA
 CACCTATTTCCACAAATAGCAACCCGTTTGGGTTGGGAGCCTGGGAGGACTTGCAGGCC
 TTAGCAGCCTGGCTTGGCTCGACCAACTTCTCTGAGCTCCAGAGCCAGATGCAGCAGC
 AGCTTATGGCCAGCCCTGAGATGATGATCAAATAATGGAAAATCCCTTTGTTCCAGAGCA
 TGCTTTGGAATCCCGATCTGATGAGGCAGCTCATTATGGCTAATCCACAGATGCAGNCAT
 TGATTCAGAGAAACCCAAAATCAGTCACCTGCTCAACAACCCAGACATAATGAGGCAGAC
 ACTCGAAAATGCCAGGAATCCAGCCATGATGCCAGAGATGATGAGGNATCAAGACCTGGC
 TCTAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013444 unedited
 GGCGCTTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATAATTTTTAAATTATAAATTT
 AATTTAAAAAATTTTTAATGCATTAATTTCTCTGAGCACAAACAGAAAACTGATGAAGCC
 AAAAGACACACATTTCTTTTATACATAGACACCTAAAAGCAATGCACCCATCCCATGACA
 CTTTCAGCTGAAAGCCACATTTCCAATTACAAATCAACATGCCTATCCACGGCACCTCTT
 TATGCGGACAACCCTGCCAAGGCAACCCTCTAGGTCAAAAAGCACCTCTACTGAGCATA
 ACTACACCTGATACCTATAAGGACCTGCCCAACACATCCAAGGACCCTCATCCAACACC
 ACTACTCGCAACATGACTGACACCAACTGACTCCAACCTGCATAATAACCACTGACCCAAC
 ACAAATGCGTCACTCCAACAGACACCCAGGCATCACAGTCTATCTACTATCATAACAA
 ACTAGAATTGACCTAAGTCAACATTACCAACTGCACAACCCACCCACCATGCCCCG
 CCGCATTCCTACACCACTCGTTGAGACATAACGTAACGCACAACAAACATCGCGTTGCGA
 CACTTAACAGATCAGTGACAACACATATCGACACAAAAATACAACCTGCAGTATACACTAC
 ATGCCCCAGCGCATCTTGACATACTGCCCTGACCAAAACAATCCGCACAAACATCAATGCC
 TTCCTCCCAACAATTACAGCTAAGTACAATTCCGACCAGCCACATCGCCCCCTCGCTC
 CCACACACTCCGACACTCCGATACTCGAAATTGACCCATACGACGTAACCTCCATCC
 CCTACCTGGCCTATGCCCAAAATGCGATACATTGCACTCTGCAGGACAAACCCCGCACAC
 ACACGGAAGGCTCACTCCCGTCCCTAATACCCACCCTAGCCCCAACAAAACTGCTCGCT
 GCCCCTTCTGGAGAAAACGTCTGTTTCGACCCCCAACCGCTGAGGAGAAACACGGAA
 ACTGCAGGAGGACACAAAGGGTGGGCGG

Restriction Sites:

NotI-NotI

ACCN:

NM_013444

Insert Size:

3320 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_013444.2](#), [NP_038472.2](#)

RefSeq Size: 3324 bp

RefSeq ORF: 1875 bp

Locus ID: 29978

UniProt ID: [Q9UHD9](#)

Cytogenetics: Xp11.21

Domains: UBA, UBQ, STI1

Protein Families: Druggable Genome

Gene Summary: This gene encodes an ubiquitin-like protein (ubiquilin) that shares high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain a N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases; and thus, are thought to functionally link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. This ubiquilin has also been shown to bind the ATPase domain of the Hsp70-like Stch protein. [provided by RefSeq, Oct 2009]