

Product datasheet for **SC321014**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_013444.2
AGAGTTGCTGGGAGTGC GCGCGGTCCGATCACAAGGCGGCGGAGGAGGCCAGCCCC
CTGCGGGGTGCCTCCTTCCTCCTCCTCCCTCGCGCTCTCTTTGCGCCGCCGCGC
CTTCCCTGCCCGCTGCGTCACCGCGGCCCATGGCTGAGAATGGCGAGAGCAGCGGCC
CCCCGCGCCCTCCCGCGCCCTGCTGCGGCCAAGGCTCGGCTGCTGCCCGGCTGAGC
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AGAACAGCTCGGTTACGACGTTTAAAGGAAGCGATTTGAAACGCTTCAAATCCCAAACCG
ATCAGCTAGTGTGATTTTTGCCGAAAAATCTAAAAGATCAAGATACCTTGATCCAGC
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GCCAGTCCACGCAGCCTAGCAATGCCGCGGAATAACTACCTCGGCGTGCAGTCCCA
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GACTTGCAGGCCTTAGCAGCCTGGGCTTGAAGCTCGACCACTTCTCTGAGCTCCAGAGCC
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TCCAGCCTTCTGCAGCAGATGCAGAATCCAGACACACTATCAGCCATGTCAAACCCAA
GAGCAATGCAGGCTTAAATGCAGATCCAGCAGGGGCTACAGACATTAGCCACTGAAGCAC



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CTGGCCTGATTCCGAGCTTCACTCCAGGTGTGGGGTGGGGTGTGGGAACCGCTATAG
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TAGGCCCATGGGCCATAGGACCCACTGGCCCTGCAGCCCCCTGGCTCCACCGCT
CTGGTGGCCCCACGGGGCTACTGTGTCCAGCGCTGCACCTAGTGAAACCACGAGTCCTA
CATCAGAATCTGGACCAACCAGCAGTTCATTAGCAATGGTGCAGGCCCTGGCTGGAG
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AATTGGAAATGTAACCTTCACTGAAAGTGCATGTGATGTTTGCATTACTTTAACTGCT
ATGTATAAAGGAAAGTGTGCTTTTACTTTCATCAGTTATTTCTTGTGCACAGAGAAA
AATGCATTAATAATGACTAAAAAATAAAAAATAAAAATGGAAAAAAAAAAAAAAAA
AAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_013444
- 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:

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]