

Product datasheet for **SC124352**

Ubiquilin (UBQLN1) (NM_053067) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubiquilin (UBQLN1) (NM_053067) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBQLN1
Synonyms:	DA41; DSK2; PLIC-1; UBQN; XDRP1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_053067, the custom clone sequence may differ by one or more nucleotides

```

ATGGCCGAGAGTGGTGAAGCGGCGTCTCCGGCTCCAGGATAGCGCCGCGGAGCCGAAGGTGCTG
GCGCCCCGCGGCGCTGCTCCGCGGAGCCAAAATCATGAAAGTCACCGTGAAGACCCGAAGGAAAA
GGAGGAATTCGCGTCCCGGAGAATAGCTCCGTCAGCAGTTAAGGAAGAAATCTCTAACGTTTTAAA
TCACATACTGACCAACTTGTGTTGATATTTGCTGGAAAAATTTGAAAGATCAAGATACCTTGAGTCAGC
ATGGAATTCATGATGGACTTACTGTTCCACCTTGTCATTAAAAACAAAAACAGGCCTCAGGATCATTGAGC
TCAGCAAAACAAATACAGCTGGAAGCAATGTTACTACATCACTCCTAATAGTAACTCTACATCTGGT
TCTGCTACTAGCAACCTTTTGGTTTAGGTGGCCTTGGGGGACTTGCAGGTCTGAGTAGCTTGGGTTTGA
ATACTACCAACTTCTCTGAACTACAGAGTCAGATGCAGCGACAACCTTTGTCTAACCTGAAATGATGGT
CCAGATCATGGAAATCCCTTTGTTTCAGAGCATGCTCTCAAATCCTGACCTGATGAGACAGTTAATTATG
GCCAATCCACAAATGCAGCAGTTGATACAGAGAAATCCAGAAATAGTCATATGTTGAATAATCCAGATA
TAATGAGACAAACGTTGGAACCTGCCAGGAATCCAGCAATGATGCAGGAGATGATGAGGAACCAGGACCG
AGCTTTGAGCAACCTAGAAAGCATCCCAGGGGATATAATGCTTTAAGGCGCATGTACACAGATATTCAG
GAACCAATGCTGAGTGTGCACAAGAGCAGTTGGTGGTAATCCATTTGCTTCTTGGTGAGCAATACAT
CCTCTGGTGAAGGTAGTCAACCTTCCCGTACAGAAAATAGAGATCCACTACCCAATCCATGGGCTCCACA
GACTTCCAGAGTTTATCAGCTTCCAGCGGCACTGCCAGCACTGTGGGTGGCACTACTGGTAGTACTGCC
AGTGGCACTTCTGGGCAGAGTACTACTGCGCAAAATTTGGTGCCTGGAGTAGGAGCTAGTATGTTCAACA
CACCAGGAATGCAGAGCTTGTGCAACAAATAACTGAAAACCCACAACCTGATGCAAAACATGTTGTCTGC
CCCCTACATGAGAAGCATGATGCAGTACTAAGCCAGAATCCTGACCTTGGTGCACAGATGCAGAACTCCT
GATACATACAGCAATGTCAAACCTAGAGCAATGCAGGCCTTGTACAGATTACAGAGGTTTACAGA
CATTAGCAACGGAAGCCCGGGCTCATCCAGGGTTTACTCCTGGCTTGGGGGCATTAGGAAGCACTGG
AGGCTCTTCGGGAACATAATGGATCTAACGCCACCTAGTAAAAACACAAGTCCCACAGCAGGAACCACT
GAACCTGGACATCAGCAGTTTATTCAGCAGATGCTGCAGGCTCTTGTGGAGTAAATCCTCAGCTACAGA
ATCCAGAAGTCAGATTTAGCAACAACTGGAACAACTCAGTGAATGGGATTTTTGAACCGTGAAGCAAA
CTTGCAAGCTCTAATAGCAACAGGAGGTGATATCAATGCAGCTATTGAAAGGTTACTGGGCTCCAGCCA
TCATAG
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_053067 unedited

```

NGGTTTTANATTTTGTAAACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGGGAAG
GGGCAGGGAGGAGGAAGCGGTGGCTGCTGCGGATGTGCGGTGTGAGCGAGCGGCGCCTGAA
CACACGGCGGCTGCCGAGCGCCTGACCCGGGCTGCGCCAGAGCCTGCACCGAGCTCCGG
GGCCCCACACCGCTACCGTGGCCCTGCGCCCGTTGCTACTGAGGCGGCGTGTCTGCAT
TCTTCGCTGTCCAGGCCTGCCGGCTCTGGTGTCTGCTGGCTCCTCCTTGCCTGCTGCTC
CCTCCTGCTTGCCTGAGTACCAGCCGCCGCCGCCACAGCCATGGCCGAGAGTGGTGA
AAGCGGCGGTCTCCGGGCTCCCAGGATAGCGCCGCCGGAGCCGAAGGTGCTGGCGCCCC
CGCGCCGCTGCTCCGCGGAGCCAAAATCATGAAAGTCACCGTGAAGACCCCGAAGGA
AAAGGAGGAATTCGCGTGGCCGAGAATAGCTCCGTCCAGCAGTTAAGGAAGAAATCTC
TAAACGTTTTAAATCACATACTGACCAACTTGTGTTGATATTTGCTGGAAAAATTTTGA
AGATCAAGATACCTTGAGTCAGCATGGAATTCATGATGGACTTACTGTTACCTTGTGAT
TAAACACAAAACAGGCCTCAGGATCATTAGCTCAGCAAAACAAATACAGCTGGAAGCAA
TGTTACTACATCACTCCTAATAGTAACTCTACATCTGGTTCTGCTACTAGCAACCC
TTTTGGTTTAGGTGGCCTTGGNGGACNNTGCAGTCTGAGTAGCTGGNNGTTGAATACTAC
CAACTTCTGAACTACAGAGTCAGATGCAGCGACAACNNTGTCTACCTGAATGATGG
TCCAGATCATGGAAATCCTTNGTNAGAGCAT
    
```

Restriction Sites:

NotI-NotI

ACCN:

NM_053067

Insert Size:	3900 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_053067.1 , NP_444295.1
RefSeq Size:	2354 bp
RefSeq ORF:	1686 bp
Locus ID:	29979
UniProt ID:	Q9UMX0
Cytogenetics:	9q21.2-q21.3
Domains:	UBA, UBQ, STI1
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes an 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 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 modulate accumulation of presenilin proteins, and it is found in lesions associated with Alzheimer's and Parkinson's disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) is missing an alternate 3' coding exon, compared to transcript variant 1. The resulting protein (isoform 2) is 28 aa shorter when compared to isoform 1.</p>