

Product datasheet for **SC320548**

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:	Ubiquilin
Synonyms:	DA41; DSK2; PLIC-1; UBQN; XDRP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_053067.1
 CCGATGTCGGTGTGAGCGAGCGGCGCCTGAACACACGGCGGCTGCCGAGCGCCTGACCCG
 GGCCTGCGCCAGAGCCTGCACCGAGCTCCGGGGCCCCACACCCGCTACGGTGGCCCTGCG
 CCCGTTGCTACTGAGCGGGCTGCTCTGCATTCTTCGCTGTCCAGGCCTGCCGGCTCTGG
 TGTCTGCTGGCTCCTCCTTGCTCGCTGCTCCCTCCTGCTTGCTGAGTACCGCCGCCG
 CCGCCGCCACAGCCATGGCCGAGAGTGGTAAAAGCGGCGGTCTCCGGGCTCCAGGATA
 GCGCCCGGAGCCGAAAGTGTGCGCCCGCCGCGCGCTGCCCTCCGCGGAGCCAAAA
 TCATGAAAGTCACCGTGAAGACCCGAAGGAAAAGGAGGAATTCGCCGTGCCCGAGAATA
 GCTCCGTCCAGCAGTTTAAAGAAAGAAATCTCTAAACGTTTTAAATCACATACTGACCAAC
 TTGTGTTGATATTTGCTGGAAAAATTTTAAAGATCAAGATACCTTGAGTCAGCATGGAA
 TTCATGATGGACTTACTGTTACCTTGTCAATAAACACAAAACAGGCCTCAGGATCATT
 CAGCTCAGCAAACAAATACAGCTGGAAGCAATGTTACTACATCATCAACTCCTAATAGTA
 ACTCTACATCTGGTTCTGCTACTAGCAACCCTTTTGGTTTAGGTGGCCTTGGGGACTTG
 CAGGTCTGAGTAGCTTGGGTTTGAATACTACCAACTTCTCTGAACTACAGAGTCAGATGC
 AGCGACAACCTTTGTCTAACCTGAAATGATGGTCCAGATCATGGAAAATCCCTTTGTTC
 AGAGCATGCTCTCAAATCCTGACCTGATGAGACAGTTAATTATGGCCAATCCACAATATGC
 AGCAGTTGATACAGAGAAATCCAGAAATAGTCATATGTTGAATAATCCAGATATAATGA
 GACAAACGTTGGAACCTGCCAGGAATCCAGCAATGATGCAGGAGATGATGAGGAACCAGG
 ACCGAGCTTTGAGCAACCTAGAAAGCATCCCAGGGGATATAATGCTTTAAGGCGCATGT
 ACACAGATATTCAGGAACCAATGCTGAGTGTGCACAAGAGCAGTTTGGTGGTAATCCAT
 TTGCTTCTTGGTGAACAATACATCCTCTGGTGAAGGTAGTCAACCTTCCCGTACAGAAA
 ATAGAGATCCACTACCAATCCATGGGCTCCACAGACTTCCAGAGTTCATCAGCTTCCA
 GCGGCACTGCCAGCACTGTGGTGGCACTACTGGTAGTACTGCCAGTGGCACTTCTGGG
 AGAGTACTACTGCGCAAATTTGGTGCCTGGAGTAGGAGCTAGTATGTTCAACACACCAG
 GAATGCAGAGCTTGTGCAACAAATAACTGAAAACCCACAACCTGATGCAAAACATGTTGT
 CTGCCCTTACATGAGAAGCATGATGCAGTCACTAAGCCAGAATCCTGACCTTGCTGCAC
 AGATGCAGAATCCTGATACACTATCAGCAATGTCAAACCTAGAGCAATGCAGGCCTTGT
 TACAGATTACAGAGGTTTACAGACATTAGCAACGGAAGCCCGGGCCTCATCCAGGGT
 TACTCCTGGCTTGGGGCATTAGGAAGCACTGGAGGCTCTTCGGGAACCTAATGGATCTA
 ACGCCACACCTAGTAAAACACAAGTCCCACAGCAGGAACCACTGAACCTGGACATCAGC
 AGTTTATTCAGCAGATGCTGCAGGCTCTTGTGGAGTAAATCCTCAGCTACAGAATCCAG
 AAGTCAGATTTACGCAACAACCTGGAACAACCTCAGTGAATGGGATTTTTGAACCGTGAAG
 CAAACTTGCAAGCTCTAATAGCAACAGGAGGTGATATCAATGCAGCTATTGAAAGTTAC
 TGGGCTCCAGCCATCATAGCAGCATTTCTGTATCTTGAAAAATGTAATTTATTTTTGA
 TAACGGCTCTTAACTTTAAAATACCTGCTTTATTTTCACTTTTGGAACTTCTGTG
 CTGTTATAAAACAAACCAATATGATGCATTTTAAAGGTGGAGTACAGTAAGATGTGTGGGT
 TTTTCTGTATTTTCTTTTCTGGAACAGTGGGAATTAAGGCTACTGCATGCATCACTTCT
 GCATTTATTGTAATTTTTTAAAAACATCACCTTTTATAGTTGGGTGACCAGATTTTGCC
 TGCATCTGTCCAGTTTATTTGCTTTTTTAAACATTAGCCTATGGTAGTAATTTATGTAGAA
 TAAAAGCATTAATAA

Restriction Sites: Please inquire

ACCN: NM_053067

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:	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>