

Product datasheet for **SC100353**

UBA1 (NM_153280) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBA1 (NM_153280) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBA1
Synonyms:	A1S9; A1S9T; A1ST; AMCX1; CFAP124; GXP1; POC20; SMAX2; UBA1A; UBE1; UBE1X; VEXAS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_153280, the custom clone sequence may differ by one or more nucleotides

```

ATGTCCAGCTCGCCGCTGTCCAAGAAACGTGCGTGTCCGGCCCTGATCCAAAGCCGGGTTCTAAGTCT
CCCCTGCCAGTCCGTGTTGTCCGAAGTGCCTCGGTGCCAACCAACGGAATGGCCAAGAACGGCAGTGA
AGCAGACATAGACGAGGGCCTTTACTCCGGCAGCTGTATGTGTTGGCCATGAGGCAATGAAGCGGCTC
CAGACATCCAGTGCCTGGTATCAGGCCTGCGGGGCTGGGCGTGAGATCGCTAAGAACATCATCCTTG
GTGGGTC AAGGCTGTTACCCTACATGACCAGGGCACTGCCAGTGGGCTGATCTTCTCCAGTTCTA
CCTGCGGGAGGAGGACATCGGTA AAAACCGGGCCGAGGTATCACAGCCCCGCTCGTGAGCTCAACAGC
TATGTGCCTGTCCTGCTACACTGGACCCCTCGTTGAGGACTTCCTTAGTGGTTTCCAGGTGGTGGTGC
TCACCAACACCCCTGGAGGACCAGCTGCGAGTGGGTGAGTTCTGT CACAACCGTGGCATCAAGCTGGT
GGTGGCAGACACGCGGGGCTGTTGGGAGCTTCTGTGACTTTGGAGAGGAAATGATCCTCACAGAT
TCCAATGGGGAGCAGCCACTCAGTGCTATGTTTCTATGGTTACCAAGGACAACCCCGGTGGTACCT
GCCTGGATGAGGCCCACACGGGTTTGGAGCGGGGACTTTGTCTCTTTTCAGAAGTACAGGGCATGGT
TGAACCAACGGAATACAGCCATGGAGATCAAAGTCTGGGTCCTTATACCTTTAGCATCTGTGACACC
TCCAACCTCTCCGACTACATCCGTGGAGGCATCGTCAGTCAAGTCAAAGTACCTAAGAAGATTAGCTTTA
AATCCTTGGTGGCCTCACTGGCAGAACCTGACTTTGTGGTGACGGACTTCGCAAGTTTTCTCGCCCTGC
CCAGCTGCACATTTGGCTCCAGGCCCTGCACCAGTTCTGTGCTCAGCATGGCCGGCCACCTCGGCCCCG
AATGAGGAGGATGCAGCAGAAGTGGTAGCCTTAGCACAGGCTGTGAATGCTCGAGCCCTGCCAGCAGTGC
AGCAAAATAACCTGGACGAGGACCTCATCCGGAAGCTGGCATATGTGGCTGCTGGGGATCTGGCACCAT
AAACGCCTTATTGGGGGCTGGCTGCCAGGAAGTCAAGGAGCTGCTCCGGGAAGTTTCAAGGAGCAAGT
ATGCAGTGGCTATACTTTGATGCCCTTGAAGTGTCTCCCTGAGGACAAAGAGGTCCTCAGAGGACAAAGT
GCCTCCAGCGCCAGAACCGTTATGACGGGCAAGTGGCTGTGTTTGGCTCAGACCTGCAAGAGAAGCTGGG
CAAGCAGAAGTATTTCTGGTGGGTGCGGGGGCCATTGGCTGTGAGCTGCTCAAGAACTTTGCCATGATT
GGGCTGGGCTGCGGGGAGGGTGGAGAAATCATCGTTACAGACATGGACACCATTGAGAAGTCAAATCTGA
ATCGACAGTTTTTTCCGGCCCTGGGATGTCACGAAGTAAAGTCTGACACGGCTGCTGCAGCTGTGCG
CCAAATGAATCCACATATCCGGGTGACAAGCCACCAGAACCCTGTGGTCTGACACGGAGCGCATCTAT
GATGACGATTTTTTCAAACCTAGATGGCGTGGCCAATGCCCTGGACAACGTGGATGCCCGCATGTACA
TGGACCGCGCTGTGTCTACTACCGGAAGCCACTGCTGGAGTCAAGCAGCACTGGGACCAAAAGGCAATGT
GCAGGTGGTATCCCCTTCTGACAGAGTCGTACAGTTCCAGCCAGGACCACCTGAGAAGTCCATCCCC
ATCTGTACCCTGAAGAATTCCCTAATGCCATCGAGCACACCCTGCAAGTGGGCTCGGGATGAGTTTGAAG
GCCTCTTCAAGCAGCCAGCAGAAAATGTCAACCAGTACCTCACAGACCCCAAGTTTGTGGAGCGAACCT
GCGGCTGGCAGGCACTCAGCCCTTGGAGGTGCTGGAGGCTGTGCAGCGCAGCCTGGTGTGCAGCGACCA
CAGACCTGGGCTGACTGCGTGACCTGGGCTGCCACCCTGGCACACCCAGTACTCGAACACATCCGGC
AGCTGTGCACAACCTCCCTCCTGACCAGCTCACAAAGCTCAGGAGCGCCGTTCTGGTCTGGGCCAAAACG
CTGTCCACACCCGCTCACCTTTGATGTCAACAATCCCCTGCATCTGGACTATGTGATGGCTGCTGCCAAC
CTGTTTGGCCAGACCTACGGGCTGACAGGCTCTCAGGACCGAGCTGCTGTGGCCACATTCCTGCAGTCTG
TGCAGTCCCCGAATTCACCCCAAGTCTGGCGTCAAGATCCATGTTTCTGACCAGGAGCTGCAGAGCGC
CAATGCCTCTGTTGATGACAGTCGTCTAGAGGAGCTCAAAGCCACTCTGCCAGCCAGACAAGCTCCCT
GGATTC AAGATGTACCCATTGACTTTGAGAAGGATGATGACAGCAACTTTCATATGGATTTTCATCGTGG
CTGCATCCAACCTCCGGGCAGAAAATGATGACATTCCTTCTGCAGACCGCACAAAGCAAGCTGATTGC
AGGGAAGATCATCCAGCATTGCCACGACCACAGCAGCCGTGGTTGGCCTTGTGTGCTGGAGCTGTAC
AAGTTTGTGCAGGGGCACCGACAGCTTGACTCCTACAAGAATGGTTTCTCAACTGGCCCTGCCTTTCT
TTGTTTCTCTGAACCCCTTGGCCACACAGTCAACAGTACTATAACCAAGAGTGGACATTTGGGATCG
CTTTGAGGTACAAGGGCTGCAGCCTAATGGTGAGGAGATGACCCTCAAACAGTTCCTCGACTATTTAAG
ACAGAGCACAAAATTAGAGATCCCATGCTGTCCCAGGGCGTGCATGCTCTATTCCTTCTCATGCCAG
CTGCCAAGCTCAAGGAACGGTTGGATCAGCCGATGACAGAGATTGTGAGCCGTGTGTCGAAGCGAAAGCT
GGGCCGCCACGTGCGGGGCTGGTGTGAGCTGTGCTGTAACGACGAGAGCGGGCAGGATGTGAGGTT
CCCTATGTCGATACACCATCCGCTGA
    
```

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_153280 unedited</p> <pre>GGTGGCACCATTTTGAATACGACTCACTATTAGGGCGGCCGCGATTCCGCCACGAGGCGG CATTGGTTCTATGCTCTGTGTTATTTATCATCTCGATAACCCCGTGGGGAAGATGTCCAG CTCGCCGCTGTCCAAGAAACGTCGCGTGTCCGGCCCTGATCCAAAGCCGGTTCTAACTG CTCCCCTGCCAGTCCGTGTTGTCCGAAGTGCCCTCGGTGCCAACCAACGAATGGCCAA GAACGGCAGTGAAGCAGACATAGACGAGGGCCTTACTCCCGCAGCTGTATGTGTTGGG CCATGAGGCAATGAAGCGGCTCCAGACATCCAGTGTCTGGTATCAGGCCTGCGGGGCCT GGGCGTGGAGATCGCTAAGAACATCATCCTTGGTGGGTCAAGGCTGTTACCCTACATGA CCAGGGCACTGCCAGTGGGCTGATCTTCTCCAGTTCTACCTGCGGGAGGAGACAT CGGTAAAAACCGGGCCGAGGTATCACAGCCCCGCCTCGCTGAGCTCAACAGCTATGTGCC TGTCACTGCCTACACTGGACCCCTCGTTGAGGACTTCTTAGTGGTTTCCAGGTGGTGGT GCTCACCAACACCCCTGGAGGACCAGCTGCGAGTGGGTGAGTCTGTCAACCGTGG CATCAAGTGGTGGTGGCAGACACGCGGGCCTGTTGGGCAGCTTCTGTGACTTTGG AGAGGAAATGATCCTCACAGATTCCAATGGGAGCAGCCACTCAGTGCTATGGTTCTATG GTTACACAGACACCCCGTGTGGTACCCTGCCTGATGANGCCGACACGGGTTTGAGAG CGGGGACTTTGTCTTCTTTANAAGTCAGGGCATGTTTGTACTCAACGGAATTAGCCCAT GAGGAACAAGTCTGGNCCTATACCTTAACAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_153280 unedited</p> <pre>AACGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGGAGTTATTAATTCTT TATTAGGATTCAGTTTTCAAACAAGGTAGAAGGCAGTGGCAAGAGGGTTCAGGTAGGGG GATGATGAGGGAACACCAGACTTGGCTAGTTGGGCCACTGCCAGAAGCCAAATGGGAACC CTGGGCTGGAAGGGGTGGAGAGGGGTGGACAAGGGGCCAGCCTAGAGGAGCAGACGGG GTCAGCGGATGGTGTATCGGACATAGGGAACCTCGACATCCTCGCCGCTCTCGTCGTTAC AGCACAGCTCAAGCACCAGCGCCCGCACGTGGCGGCCAGCTTTCGCTTCGACACACGGC TCACAATCTCTGTATCGGCTGATCCAACCGTTCCTTGAGCTTGGCAGCTGGCATGAAGA AGGAATAGAGCATGGACACGCCCTGGGACAGCATGGTGTCTCTAATTTGTGCTCTGTCT TAAATAGTCGAGGAACGTTTGGAGGTCATCTCCTCACCATTAGGCTGCAGCCCTTGTA CCTCAAAGCGATCCACAATGTCCACTTTGGTTATAGTACTGGTGACGTGGTGGCGCAA GGGGTTCAGAGAAACCAAGAAAGGCAGGGCCAAGTTGAGGAAACCATTCTTGTANGAGT CAAGCTGTCGGTGCCCTGCACAACCTTGTACAGCTNCAGACACACAAGGCCAACCCAGG CTGCTGTGGTCTGGCATGGCTGGGATGATCTTCCCTGCAATCAGCTTGCTCTTGTGCC NGTCTGCANAAGGAATGTCATANTTTTCTGCCCGAGGTTGGATGCAGCCCCGATGAAAT CCTATGAAAAGTGTGGCATCATCCTTCTCAAGTCAATGGGTACATCCTGAATCCAGGNA GCTTGCTTGGGCTGGCAAAATGGCCTTGAACCTCTTAACAATTGCATTAACAGAGCTTT GGGCTTGAGCTCCTTTCAAAAATGGGTCTTGTAGCCGACTGGGGTGAATCGGG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_153280
Insert Size:	3500 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_153280.1 , NP_695012.1
RefSeq Size:	3483 bp
RefSeq ORF:	3177 bp
Locus ID:	7317
UniProt ID:	P22314
Cytogenetics:	Xp11.3
Domains:	UBACT, ThiF
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis
Gene Summary:	<p>The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>