

## Product datasheet for **SC127511**

### UBE2Q1 (BD137288) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2Q1 (BD137288) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2Q1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for BD137288, the custom clone sequence may differ by one or more nucleotides

```
CGCCGGGGGCGGGGGCGGCCAGGGGGGGCCGGGGCCGGGGCCCTGCCTGAGGCGAGAGCTGAAGCT
GCTCGAGTCCATCTTGCCACCGCGGCCACGAGCGCTTCCGCATTGCCAGCGCCTGCCTGGACGAGCTGAG
CTGCGAGTTCCTGCTGGCTGGGGATCCTGTCCGCATCCACTGCAACATCACGGAGTCATACCCTGCTGTGCCCC
CGGGGTCGGTGCCTGGGGATCCTGTCCGCATCCACTGCAACATCACGGAGTCATACCCTGCTGTGCCCC
CCATCTGGTGGTGGAGTCTGATGACCCTAACTGGCTGCTGTCTTGGAGAGGCTGGTGGACATAAAGAA
AGGGAATACTCTGCTATTGCAGCATCTGAAGAGGATCATCTCCGACCTGTGTAACCTCTATAACCTCCCT
CAGCATCCAGATGTGGAGATGCTGGATCAACCCTTGCCAGCAGAGCAGTGCACACAGGAAGAGCTGTCTT
CAGAAGATGAAGATGAGGAGATGCCTGAGGACACAGAAGACTTAGATCACTATGAAATGAAAGAGGAAGA
GCCAGCTGAGGGCAAGAAATCTGAAGATGATGGCATTGAAAAGAAAACCTGGCCATCCTAGAGAAAATT
AAAAAGAACCAGAGGCAAGATTACTTAAATGGTGCAGTGTCTGGCTCGGTGCAGGCCACTGACCGGCTGA
TGAAGGAGCTCAGGGATATATACCGATCACAGAGTTTCAAAGGCGGAAACTATGCAGTCGAACTCGTGAA
TGACAGTCTGTATGATTGGAATGTCAAACCTCCTCAAAGTTGACCAGGACAGCGCTTTCACACACGATCTC
CAGATCCTCAAAGAGAAAAGAAGGAGCCGACTTCATTCTACTTAACTTTTCTTTAAAGATAACTTTCCCT
TTGACCCACCATTTGTCAGGGTTGTGTCTCCAGTCTCTCTGGAGGGTATGTTCTGGGCGGAGGGGCCAT
CTGCATGGAACCTCTACCAAACAGGGCTGGAGCAGTGCCTACTCCATAGAGTCAGTGCATGCAGATC
AGTGCCACACTGGTGAAGGGGAAAGCAGAGTGCAGTTTGGAGCCAACAAATCTCAATACAGTCTGACAA
GAGCACAGCAGTCTACAAGTCTTGGTGCAGATCCACGAAAAAACGGCTGGTACACACCCCAAAAAGA
AGACGGCTAACCTGGAGTATCACCTTCTCCCTCCCAGGCACCACTGGACCAATTACCTTTGAATGC
TGTATTTGGATCTCACGCTGCCTGTGGTTCCCTCCCTCATTTTTCTGGACGTGATAGTCTGCCTAT
TGCAGGACAATGATGGCTATTCTAAACGCTAAGGAAAAAAAACAAACACAGAACTGTTTCAAGTACTCAA
GACTGACTTACAGACCAACCAACCCTTGTGGAACCCTTGTAGCAGGCATTCTATAAAAGAAACTT
TCGAGCCTCCTTATATTGCTGGAACCTCAGCTGTGCTCCAGACTAGAGCCTCCTTACCTATGCTATGGAT
TTTTAATTTATTTCTCTTATTTTACGTACTGCTTTTTTTGGTTACAGTGTATGATGGATGTGTATGA
AAAAATGTATCTTTGGGAAAACAATTACAGTTTGTAAATTTGGAAAAAAAATGACTCATCTTTAT
TTTTATTCGCACATCCCACCCATCCCCTGGAACACTTGGGGAGGTGGGGAGGGTACGAGTCCACTGT
TGGCTTGGTAGGAGATGAGAGGCCGATTTGCTGCTTAAGCAAGGGGAACTGGGGCTGAGCACACACCGG
GGTGCCCCGGATTTTTCTCAAGGGCTCTGGAGCAACGGCACCCGCCCTTGGGATGCA
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for BD137288 unedited

```
ATTTGTAATACGACCTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGCTGTGCCCC
CCATCTGGTGGTGGAGTCTGATGACCCTAACTGGCTGCTGTCTTGGAGAGGCTGGTGG
ACATAAAGAAAGGAATACTCTGCTATTGCAGCATCTGAAGAGGATCATCTCCGACCTGT
GTAACCTCTATAACCTCCCTCAGCATCCAGATGTGGAGATGCTGGATCAACCCTTGCCAG
CAGAGCAGTGCACACAGGAAGACGTGTCTTCAGAAGATGAAGATGAGGAGATGCCTGAGG
ACACAGAAGACTTAGATCACTATGAAATGAAAGAGGAAGAGCCAGCTGAGGGCAAGAAAT
CTGAAGATGATGGCATTGAAAAGAAAACCTGGCCATCCTAGAGAAAATTAAGAAAGAAC
AGAGGCAAGATTACTTAAATGGTGCAGTGTCTGGCTCGGTGCAGGCCACTGACCGGCTGA
TGAAGGAGCTCAGGGATATATACCGATCACAGAGTTTCAAAGGCGGAAACTATGCAGTCG
AACTCGTGAATGACAGTCTGTATGATTGGAATGTCAAACCTCCTCAAAGTTGACCAGGACA
GCGCTTTGCACAACGATCTCCAGATCCTCANAGAGAAAAGAAGGAGCCGACTTCATTCTAC
TTTAACTTTTCTTTAAAGAAAACCTTCCCTTTGACCCACCATTTGTCAGGGGTGTGTCTCC
AGTCCTCTCTGGAGGGTATGTTCTGGGCGGAGGGGCCATCTGCATGGGACCTCTCACAA
CAGGGCTGGAGCAGTGCCTACTCCTAGAGTCAGTGCATGATGATGATGATGATGATGATGATG
GTGAAAGGGGAAGCACGAATGCCANTTTGGNACCCACAAATCTCAATACAGTCTGACCAG
AGCCAG
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for BD137288 unedited GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAATTAACAAACTGTAATTGTTTTCCAAAAACATTTTTTTCATACACATCCATCATACTGTAACCAAAAAAGCAGTGTACATGAAATAAGAGAAAAATAAATAAAAATCCATAGCATAGGTAAGGAGGCTCTAGTCTGGAACACAGCTGAGTTCCAGCAATAAAGGAGGCTCGAAAGTTTCTTTATAAAAAATGCCTGCTAGCAAGGGTTCCAGCAAGGTGGTTGGTCTGTAAGTCAGTCTTGAGTACTTGAAACAGTTCGTGTTTTTTTTTTTCCCTTAGCGTTTTAAAATAGCCATCATTGTCCTGCAATAGCAGAGCTATCAGTCCAGGAAAAATGAGGGAGGGAACACAGAGGCAGCGTGAGATCCAATACAGCATTCAAAGGTAATTGGTCCAGTGGTGCCGTTTTTTTCGTGGATCTGCACCAAGGACTTGTAGGACTGCTGTGCTCTTGTCAGACTGTATTGAGATTGTTGGCTCCAACTGCACTCGTGCTTTCCCTTCCCAGTGTGGCACTGATCTGCATGATCACTGACTCTATGGAGTAGGCACTGCTCCAGCCCTGTTTGGAGAGAAGTCCATGCAGATGGCCTCTCCGCCAAGACATACCCTCCAGAAGGACTGAAGACCCACCCTGACAATGGTGGCCAAAGGAAAGCACTCTTAAAGAAAAGTCAGTAGATGAAGCCGCTCCTTCTTTCTTTGAGGATCTGAGATCGTTTGCAAAGGCTGCCTGCCACCTTGAAGAGTTGACTTTCATACTACAACGTCTTACCATTCCAGCTATTTCCGCTCTGAACCTGGGACGATTATCCCGACTCTTATAACCGGAAGGGCTGCCGACAACTGACCTTAAGAAATCGCCCCGGGCTTTAATTTTTCAGAACGCAATTTCTTTCAGCCTATCCAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BD137288
<b>Insert Size:</b>	1400 bp
<b>OTI Disclaimer:</b>	The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.
<b>OTI Annotation:</b>	This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BD137288.1</a>
<b>RefSeq Size:</b>	1880 bp
<b>RefSeq ORF:</b>	1880 bp

**Locus ID:** 55585

**Cytogenetics:** 1q21.3

**Domains:** UBCc

**Protein Pathways:** Ubiquitin mediated proteolysis

**Gene Summary:** The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s), and ubiquitin-protein ligases (E3s). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is 98% identical to the mouse counterpart. [provided by RefSeq, Jul 2008]