

Product datasheet for SC107068

UBE2Q2 (NM_173469) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2Q2 (NM_173469) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2Q2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107068 sequence for NM_173469 edited (data generated by NextGen Sequencing)

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ATGTCCGTGTCAGGGCTCAAGGCCGAGCTGAAGTTCTGGCGTCCATCTTCGACAAGAAC
CACGAGCGATTCCGCATCGTCAGTTGGAAGCTGGACGAGCTGCACTGCCAGTTCCCTGGTG
CCGCAGCAGGGCAGCCCGCACTCGCTGCCGCCCACTCACGCTCCACTGCAACATCACG
GAATCCTATCCATCTTCTTCACCGATATGGTTTGTGGATTCTGAAGACCCAAATCTGACA
TCAGTTCTGGAACGTCTAGAAGATACTAAGAACAACAATTTGCTTCGTCAGCAATTGAAG
TGGTTGATATGTGAACCTGTCAGTTTATAAACCTTCTAAGCACCTGGATGTTGAGATG
CTAGATCAACCACTACCCACGGGTCAGAATGGGACAACAGAAGAAGTGACTTCAGAAGAA
GAGGAAGAAGAAGAAGAGATGGCTGAAGATATAGAAGACTTAGATCACTATGAGATGAAG
GAAGAAGAGCCTATTAGTGGGAAAAAGTCAGAGGATGAAGGAATTGAAAAAGAAAAATTTG
GCAATATTAGAGAAAATTAGGAAGACTCAAAGGCAAGACCATTTAAATGGTGCAAGTGTCT
GGGTCAAGCTTCAGATAGACTTATGAAAGAGCTCAGGGACATATACAGATCACAG
AGTTATAAAACAGGGATTTATTCAGTGGAACTCATAAATGACAGTTTATATGACTGGCAT
GTTAAACTGCAGAAGGTTGACCCTGATAGTCCTTTGCACAGTGATCTTCAGATCTAAAA
GAAAAAGAAGGCATAGAATATATTTTGCTTAACCTCTCTTTTAAGGATAACTTTCCATTT
GATCCTCCATTTGTTTCGAGTGGTGTACCTGTTCTCTCAGGAGGGTATGTATTGGGTGGA
GGAGCATTATGTATGGAACCTTCACAAAACAGGGCTGGAGCAGTGCCTACTCAATAGAA
TCGGTCATCATGCAAATAAATGCCACCTTAGTCAAAGGCAAAGCCAGAGTGCAGTTTGA
GCAAATAAGAATCAATATAATCTAGCAAGAGCCCAACAATCCTATAAATCCATTGTACAG
ATACATGAGAAAAATGGCTGGTACACCCCTCAAAGGAAGATGGCTAA

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Clone variation with respect to NM_173469.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_173469 unedited
 CCTATAGGGGCGGCCGATTTCGGCACGAGGCGGGCGCGCGCTCTGGCCTCGTGCACG
 CGCTGAAACCGGAGCGCGCAGGGCGCGCCAGGGTGAGGGGGACGGGGCGGGGTGGGGG
 AGCCCTTTCCAGGCGGTAGCGGGGGCGCGCTCGCTGTTGCCCTTTAAGCCGCGGGGCC
 GCCGCCTCCTGCCGTGGAGTCGGTTACAAAGGAAGCGCCACCCAGGCCGCCACACGCCG
 AGGCTTCGCGCCCTCGCCATTTTCCAGCAGCGCTCGACGAGGCGGAGCCGCGAGAGCG
 CGGCCACAGGCGGCCCGGGGGGGCGGGTCCGCGCCGTGACGGCGGCTCCGGGCCGGCTC
 CCTTCCGCGCCCGCTCCCTTCCGCGCCCTNCCCGCCGAGATGAGGGGAAGATGTCC
 GTGTCAGGGCTCAAGGCCGAGCTGAAGTTCCTGGCGTCCATCTTCGACAAGAACCACGAG
 CGATTCCGCATCGTCAGTTGGAAGCTGGACGAGCTGCACTGCCAGTTCCTGGTGCCGAG
 CAGGGCAGCCCGACTCGCTGCCGCCCACTCACGCTCCACTGCAACATCACGGAATCC
 TATCCATCTTACCAGATATGGGTTTTGTGGATTCTGAAGACCCAAATCTGACATCAGT
 TCTGGAACGTCTAGAAGATAAAGAACAACAATTTGCTTCGTCAGCATTGAAGGTGGGT
 GATATGTGAACCTGCAGTTTATATAACCTTCTAGCACCTGGATGTTGAGATGCTAGAT
 CACCCTACCCACGGGTGAGAATGGGACACAGAAAGAGTGACTTTCGAGAAGAGGAAAAA
 ANAAAAATGGGTGAGAATAGAAAACCTTGACCCTTGAGAGAAGGAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_173469 unedited
 GCTATGGACCGCGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTAAAGTTC
 TTTATTCATAAATTGATGCAAGTTTACAAAATTTACTGTACATTGCCAAATAAATCTGC
 AATTAATAAATAAATCCATTAACAAAGCATGCCAAATGTGCAGCTATCAGTCTGCTTGC
 CATCAGGATATTAAGAATTCAACAATGTATTCAAGATTTAGCCTTAGGCTTAAGGAACT
 TTAGTATTTAAGAATTCTGCCTTGTCAGTTGTTATCTGAGCACTGGCAATCAGAAT
 TTATACAAATGTAATCAAGTGAACAAGAATACCAGAAAATCTATTTACTGCTCTTAAAC
 CAAAATGGAATCAAAAGAAATTAACACACACAATGTAGAAATGACAAGTCTCTCAGATG
 TGGTTTACAAAGTTAAAACTGAATCTCAAAGCTAATGCACAAGAAACACTTTTGAACCT
 TGTAACCTGTTTGTGCAGAAAAATGTGCTTCTGGATTTCTGTTAAAAGTCTTAAGAAC
 TAGAATTTACTTTTAAATCAAACGTGGGTGTATAAAAAATCTATTACCAACAAAAAGG
 ACTGATTCAGGTAAGGCAATAAATGGAGGTACCTTGATTTGAGTCAGGTTCTATAAAA
 AAATTAACATATGTAGAGTTTCTATTAATCTTTCAATGTAAAAGCCATTGTTTTGACATG
 GCAAAAATTAAGTGAAGAGTCTCAAATAAGGATCTTTTGTACTTAACTGCACAGCTTT
 TGCTCAAGGAGGCTTTTGCGCCAATCACTTTATAAGTTTATTAGCTTAAAACGATTGCC
 AACTCCCGTCAATAAATGGCACCCGTAGAAGACTCACTATTTAATACCTGGAGCTCTG
 TACTGGGCTCCTGTTATAAGAACCCTGACCCACAGCCGCAATCCGCCCAN

Restriction Sites:

NotI-NotI

ACCN:

NM_173469

Insert Size:

3200 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_173469.1 , NP_775740.1
RefSeq Size:	2939 bp
RefSeq ORF:	1128 bp
Locus ID:	92912
UniProt ID:	Q8WVN8
Cytogenetics:	15q24.2
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).