

Product datasheet for **SC325819**

UBE2Q2 (NM_001145335) Human Untagged Clone

Product data:

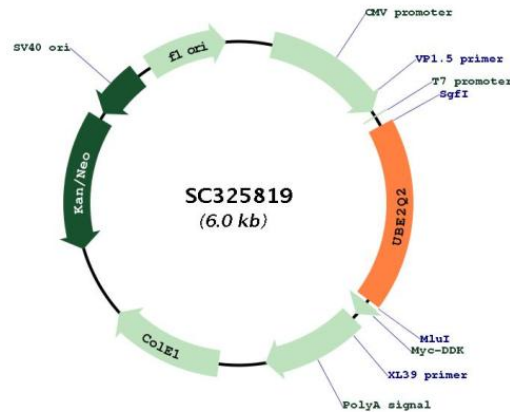
Product Type:	Expression Plasmids
Product Name:	UBE2Q2 (NM_001145335) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2Q2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325819 representing NM_001145335. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAATGGACTCGTTGACGGAGGAAAAGTTGGAATGCAGACTCTGGTCTGTTTGAGCGACCCCTCT
CCCCGGGCGCTGGCTGCGCGCTGCTGTGTTCTGGAAAGGAGCATAGTACCGTCTGTGCGGACGGAATCC
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GACCCTGATAGTCTTTGCACAGTGATCTTCAGATCTTAAAGAAAAAGAAGGCATAGAATATATTTTG
CTTAACCTCTCTTTAAGGATAACTTTCCATTTGATCCTCCATTTGTTTCGAGTGGTGTACCTGTTCTC
TCAGGAGGATGATTGGGTGGAGGAGCATTATGTATGGAACCTCTCACAAAACAGGGCTGGAGCAGT
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TTTGGAGCAAATAAGAATCAATATAATCTAGCAAGAGCCCAACAATCCTATAATTCCATTGTACAGATA
CATGAGAAAAATGGCTGGTACACCCCTCAAAGGAAGATGGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001145335

Insert Size: 1080 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).

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:

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_001145335.1](#)

RefSeq Size: 2985 bp

RefSeq ORF: 1080 bp

Locus ID:	92912
UniProt ID:	Q8WVN8
Cytogenetics:	15q24.2
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	41 kDa
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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.