OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC330912

UBE2W (NM_001271015) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2W (NM_001271015) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2W
Synonyms:	UBC-16; UBC16
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330912 representing NM_001271015. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGTTGAGCCCCCGCGGCGTGACGCGAGCACGGCAGCTCCTCCCCCTGCGTCTCTGGCCTCGCCGGTCT TGGGGGGATGGTTCCATCATGGCGTCAATGCAGAAACGACTACAGAAAGAACTGTTGGCTTTGCAAAAT GACCCACCTCCTGGAATGACCTTAAATGAGAAGAGTGTTCAAAATTCAATTACACAGTGGATTGTAGAC ATGGAAGGTGCACCAGGTACCTTATATGAAGGGGAAAAATTTCAACTTCTATTTAAATTTAGTAGTCGA TATCCTTTTGACTCTCCTCAGGTCATGTTTACTGGTGAAAATATTCCTGTTCATCCTCATGTTTATAGC AATGGTCATATCTGTTTATCCATTCTAACAGAAGACTGGTCCCCAGCGCTCTCAGTCCAATCAGTTTGT CTTAGCATTATTAGCATGCTTTCCAGCTGCAAGGAAAAGAGACGACCACCGGATAATTCTTTTTATGTG CGAACATGTAACAAGAATCCAAAGAAAACAAAATGGTGGTATCATGAACTGAAATCTGCCTTCATACTA TCTATTACGGATTGA
Restriction Sites:	SgfI-MluI

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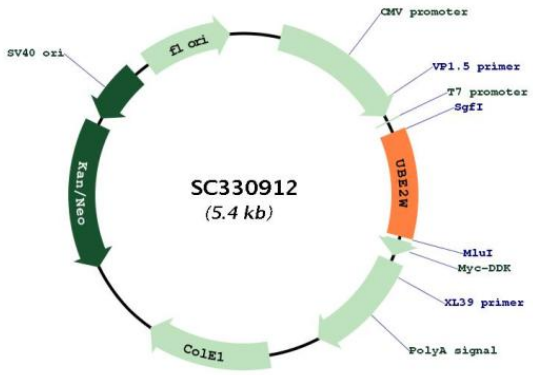
Plasmid Map:



ACCN:	NM_001271015
Insert Size:	567 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:	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_001271015.1
RefSeq Size:	951 bp
RefSeq ORF:	567 bp
Locus ID:	55284
UniProt ID:	Q96B02
Cytogenetics:	8q21.11
Protein Families:	Transcription Factors
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	21.6 kDa
Gene Summary:	This gene encodes a nuclear-localized ubiquitin-conjugating enzyme (E2) that, along with ubiquitin-activating (E1) and ligating (E3) enzymes, coordinates the addition of a ubiquitin moiety to existing proteins. The encoded protein promotes the ubiquitination of Fanconi anemia complementation group proteins and may be important in the repair of DNA damage. There is a pseudogene for this gene on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012] Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, lacks a portion of the 3' coding region, and differs in the 3' UTR, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1.