

## Product datasheet for **SC334463**

### UBE2E3 (NM\_001278555) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2E3 (NM_001278555) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2E3
Synonyms:	UBCH9; UbcM2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278555, the custom clone sequence may differ by one or more nucleotides

```
ATGTCCAGTGATAGGCAAAGGTCCGATGATGAGAGCCCCAGCACCAGCAGTGGCAGTTCAGATGCGGACC
AGCGAGACCCAGCCGCTCCAGAGCCTGAAGAACAAGAGGAAAGAAAACCTTCTGCCACCCAGCAGAAGAA
AAACACCAAACCTCTAGCAAACCCTGCTAAGTTATCCACTAGTGCTAAAAGAATTGAGAAGGAGCTA
GCTGAAATAACCCTTGATCCTCCTCTAATTGCAGTGCTGGGCCTAAAGGAGATAACATTTATGAATGGA
GATCAACTATACTTGGTCCACCGGTTCTGTATATGAAGGTGGTGTGTTTTTCTGGATATCACATTTTC
ATCAGATTATCCATTTAAGCCACCAAAGTTACTTTCCGCACCAGAATCTATCACTGCAACATCAACAGT
CAGGGAGTCATCTGTCTGGACATCCTTAAAGACAACCTGGAGTCCCGCTTTGACTATTTCAAAGGTTTTGC
TGTCTATTTGTTCCCTTTTGACAGACTGCAACCCTGCGGATCCTCTGGTTGGAAGCATAGCCACTCAGTA
TTTGACCAACAGAGCAGAACACGACAGGATAGCCAGACAGTGGACCAAGAGATACGCAACATAA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001278555
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).



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**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\\_001278555.1](#), [NP\\_001265484.1](#)

**RefSeq Size:** 1365 bp

**RefSeq ORF:** 624 bp

**Locus ID:** 10477

**UniProt ID:** [Q969T4](#)

**Cytogenetics:** 2q31.3

**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, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 100% sequence identity with the mouse and rat counterparts, which indicates that this enzyme is highly conserved in eukaryotes. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jun 2013]  
Transcript Variant: This variant (4) has an alternate 5' UTR exon, compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein.