

Product datasheet for **SC117663**

UBE2M (NM_003969) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2M (NM_003969) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2M
Synonyms:	hUbc12; UBC-RS2; UBC12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_003969 edited CACGAGGAGGAGGCCGACGTGCGGGTCCGAGGAGCGGAGGCGACGCGGGCGGCGGCGGG GGGCCGGGTGGCCGGGGTCCCGGGCCCCGCGGCGGCGGCAGCGGGCGGCGGCGGCAGG ATGATCAAGCTGTTCTCGCTGAAGCAGCAGAAGAAGGAGGAGGAGTTCGGCGGGCGGCACC AAGGGCAGCAGCAAGAAGGCGTCGGCGGCGCAGCTGCGGATCCAGAAGGACATAAACGAG CTGAACCTGCCAAGACGTGTGATATCAGCTTCTCAGATCCAGACGACCTCCTCAACTTC AAGCTGGTCATCTGCTGATGAGGGCTTCTACAAGAGTGGGAAGTTTGTGTTTCAGTTTT AAGGTGGGCCAGGGTTACCCGCATGATCCCCCAAGGTGAAGTGTGAGACAATGGTCTAT CACCCCAACATTGACCTCGAGGGCAACGTCTGCCTCAACATCCTCAGAGAGGACTGGAAG CCAGTCTTACGATAAACTCCATAATTTATGGCCTGCAGTATCTCTTCTTGGAGCCCAAC CCCGAGGACCCACTGAACAAGGAGGCCGAGAGTCTGCAGAACAACCGCGGCTGTTT GAGCAGAACGTGCAGCGCTCCATGCGGGTGGCTACATCGGCTCCACCTACTTTGAGCGC TGCTGAAATAGGGTTGGCGCATACCCACCCCGCCACGGCCACAAGCCCTGGCATCCCC TGCAAATATTTATGGGGCCATGGGTAGGGGTTTGGGGGGGCGGCCGGTGGGGGGAT CCCCCTGCCTTGGCCTTGCCTCCCTTCTGCCACGTGCCCTAGTTATTTTTTTTTTTTT TAACACCATGTGATTAAGGTGCGGCGTGCCTCCCCGACCCACTCAGCGATGGGAAATG AATTGGCTTGCTAGC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003969 unedited TTGTA CTACGATCTCACTATAGGGCGGCCGGAATTCGCACGAGGAGGAGGCCGAGCTG CGGGTCCGAGGAGCGGAGGCGACGCGGGCGGGCGGGGGCCGGGTGGCCGGGGTCCCC GGCCCCGGCGGGCGGCAGCGGGCGGGCGGGCGGCAGGATGATCAAGCTGTTCTCGCTGA AGCAGCAGAAGAAGGAGGAGGAGTGGCGGGCGGCACCAAGGGCAGCAGCAAGAAGGCGT CGGGCGGCAGCTGCGGATCCAGAAGGCATAAACGAGCTGAACCTGCCCAAGACGTGTG ATATCAGCTTCTCAGATCCAGACGACCTCCTCAACTTCAAGCTGGTCATCTGCTGATG AGGGCTTCTACAAGAGTGGGAAGTTTGTGTTTCAAGTTTTAAGGTGGCCAGGGTTACCCGC ATGATCCCCCAAGGTGAAGTGTGAGACAATGGTCTATACCCCAACATTGACCTCGAGG GCAACGCTGCGCTCAACATCCTCAGAGAGGACTGGAAGCCAGTCCTTACGATAAACTCCA TAATTTATGGCCTGCAGTATCTTCTTGGAGCCCAACCCGAGGACCCACTGAACAAGG AGGCCGACAGAGTCTGCAGAACAACCGCGGTGTTTGGAGCAGAACGTGCAGCGCTCCA TGCGGNGTGGCTACATCGGCTCCACCTACTTTGAGCGCTGCTGAAATAGGGTTGGCGCA TACCCACCCCGCCACGCCACAAGCCCTGGCATCCCCTGCAATATTATTGGNGGCCATG GTAGGGTNTTGGGGGGCGGCCGTGGGGGAATCCCCTGCTGNNCTTGCTCCCTTC TGACGTGCCCTAGTATTTTTTTTTTTTACACATGGATAAGGTGCGCTGCTCCCGACC ATCGGATGGAATGGATTGGCTGCTACCCCTGCTGGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003969 unedited TGAACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGCAGTAACATTCC CCTTTAATAGCCTGGTGGGACCTCCAGAGGTGGAGGGTGGGTTGCCTGGGCCAGCTAC CCATGCCCGTTGCACACTTTTCTTNTTGTAAAAAGTAGTAAAAAAAAAAAAATCAAGGA AGATTGTATAATATTAACATTAACGTCCGGTATATATAATATTATTTTTTTATAATA CTAACGTCGATGCGCCTCACTACATTTCAATATTCAAAAGGTAGAACAAACAAGAACGG AAGCGCGCCCAACATGGACCGAGCGAGTAAAAATATAAAAACTATCTTATGCATGTTTA AACAACTACTATTTTTTCTCTTTCTCCTCCCTCCTCCACCCACGCCACCGTACC CAACGAACCCAACTCCCCTATATACCAAGCCAACTCCCTCCCAACCTTTTCTTCTT GCACATCCCAAGAGTCCGAAATTCATACCCACCTCACTTGGCACCCCAACACCTACCC ACTACCAACGAAGTCTTACATAATATTGACACGGTCTATGACCTATACGACAAGCAAT AGTCTACTATCATTTTTATATAACAACAACCTAACCCACAAGTATCTCACACGCCCAT ACCCCTATGTCCCAACACACGCCACATCACACCTCACCTCACTTTATATTCAAATTC ACCTCAACATACAATGATAACATCTTATACAAATCTATAGTAATTTTAAATTTTATATAG CACTAAATACTTTACGCGACAGCTCGACGGTTGTCATCTCTTATGTTTGCACCTGTT CTATACTCTTCTATATCTTATTACTTCCCTCTTCAGCTCTGCAGCTCGAGTGTCA CACCCCTTGACTGCGCACTCGATTACATAATATATAGTGACGCGGAAAGACGCACGGCA GCGACTAAGACGACCAACCAGCACTACAAGCACACTCCAACGACTCTATTTCAATTAACA CCTATACTCGGT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003969
Insert Size:	980 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_003969.2](#), [NP_003960.1](#)

RefSeq Size: 1536 bp

RefSeq ORF: 552 bp

Locus ID: 9040

UniProt ID: [P61081](#)

Cytogenetics: 19q13.43

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, 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 is linked with a ubiquitin-like protein, NEDD8, which can be conjugated to cellular proteins, such as Cdc53/culin. [provided by RefSeq, Jul 2008]