

Product datasheet for **SC127401**

UBE2D2 (NM_181838) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2D2 (NM_181838) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2D2
Synonyms:	E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH4; UBCH5B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_181838 edited AAGAGAATCCACAAGGAATTGAATGATCTGGCACGGGACCCTCCAGCACAGTGTTCAGCA GGTCCTGTTGGAGATGATATGTTCCATTGGCAAGCTACAATAATGGGGCCAAATGACAGT CCCTATCAGGGTGGAGTATTTTTCTTGACAATTCATTTCCCAACAGATTACCCCTTCAAA CCACCTAAGGTTGCATTTACAACAAGAATTTATCATCCAAATATTAACAGTAATGGCAGC ATTTGTCTTGATATTCTACGATCACAGTGGTCTCCAGCACTAACTATTTCAAAGTACTC TTGTCCATCTGTTCTCTGTTGTGTGATCCCAATCCAGATGATCCTTTAGTGCCTGAGATT GCTCGGATCTACAAAACAGATAGAGAAAAGTACAACAGAATAGCTCGGGAATGGACTCAG AAGTATGCGATGTAATTAAGAAATTATTGGATAACCTCTACAAATAAGATAGGGGGAA CTCTGAAAGAGAAAGTCCTTTTGATTTCCATTTGACTGCTTTCTATGAGCCCACGCCTCA TCTT
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_181838 unedited AAACCACCTAAGGTTGCATTTACAACAAGAATTTATTCATCCAAATATTAACAGTAATGG CAGCATTTGTCTTGATATTCTACGATCACAGTGGTCTCCAGCACTAACTATTTCAAAGT ACTCTTGCCATCTGTTCTCTGTTGTGTGATCCCAATCCAGATGATCCTTTAGTGCCTGA GATTGCTCGGATCTACAAAACAGATAGAGAAAAGTACAACAGAATAGCTCGGGAATGGAC TCAGAAGTATGCGATGTAATTAAGAAATTATTGGATAACCTCTACAAATAAGATAGGN GGAACCTCTGNAAGAGAAAGTCCTTTTGATTTCCATTTGACTGCTTTCTATGAGCCCACGC CTCATCTTCCCCTGTGCATGTTTTACCT
Restriction Sites:	NotI-NotI
ACCN:	NM_181838



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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_181838.1 , NP_862821.1
RefSeq Size:	2879 bp
RefSeq ORF:	357 bp
Locus ID:	7322
UniProt ID:	P62837
Cytogenetics:	5q31.2
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	<p>Regulated degradation of misfolded, damaged or short-lived proteins in eukaryotes occurs via the ubiquitin (Ub)-proteasome system (UPS). An integral part of the UPS system is the ubiquitination of target proteins and covalent linkage of Ub-containing proteins to form polymeric chains, marking them as targets for 26S proteasome-mediated degradation. Ubiquitination of proteins is mediated by a cascade of enzymes which includes E1 (ubiquitin activating), E2 (ubiquitin conjugating), and E3 (ubiquitin ligases) enzymes. This gene encodes a member of the E2 enzyme family. Substrates of this enzyme include the tumor suppressor protein p53 and peroxisomal biogenesis factor 5 (PEX5). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 5' region, differs in the 5' UTR and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2 which is shorter at the N-terminus compared to isoform 1.</p>