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Product datasheet for SC127389

UBE2B (NM_003337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2B (NM_003337) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2B
Synonyms:	E2-17kDa; HHR6B; HR6B; RAD6B; UBC2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127389 sequence for NM_003337 edited (data generated by NextGen Sequencing) ATGTCGACCCCGGCCCGGAGGAGGCTCATGCGGGATTTCAAGCGGTTACAAGAGGACCCA CCTGTGGGTGTCAGTGGCGCACCATCTGAAAACAACATCATGCAGTGGAATGCAGTTATA TTTGGACCAGAAGGGACACCTTTTGAAGATGGTACTTTTAAACTAGTAATAGAATTTTCT GAAGAATATCCAAATAAACCACCAACTGTTAGGTTTTTATCCAAAATGTTTCATCCAAAT GTGTATGCTGATGGTAGCATATGTTTAGATATCCTTCAGAATCGATGGAGTCCAACATAT GATGTATCTTCTATCTTAACATCAATTCAGTCTCTGCTGGATGAACCGAATCCTAACAGT CCAGCCAATAGCCAGGCAGCACAGCTTTATCAGGAAAACAAACGAGAATATGAGAAAAGA GTTTCGGCCATTGTTGAACAAAGCTGGAATGATTCATAA Clone variation with respect to NM_003337.2

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003337 unedited
TCAAATTTTGTAATACGACTCACTATTAGGGCGGCCGCGATTCGGCACGAGGGGAGAGAG
AGAACTAGTCTCGAGTTTTTTTTTTTTTTTTTCAAACTGACCGCGGGGCAGCTGCGGAG
CATGTCGACCCCGGCCCGGAGGAGGCTCATGCGGGATTTCAAGCGGTTACAAGAGGACCC
ACCTGTGGGTGTCAGTGGCGCACCATCTGAAAACAACATCATGCAGTGGAATGCAGTTAT
ATTTGGACCAGAAGGGACACCTTTTGAAGATGGTACTTTTAAACTAGTAATAGAATTTTC
TGAAGAATATCCAAATAAACCACCAACTGTTAGGTTTTTATCCAAAATGTTTCATCCAAA
TGTGTATGCTGATGGTAGCATATGTTTAGATATCCTTCAGAATCGATGGAGTCCAACATA
TGATGTATCTTCTATCTTAACATCAATTCAGTCTCTGCTGGATGAACCGAATCCTAACAG
TCCAGCCAATAGCCAGGCAGCACAGCTTTATCAGGAAAACAAACGAGAATATGAGAAAAG
AGTTTCGGCCATTGTTGAACAAAGCTGGAATGATTCATAATAGACAACTGGTCTGTTAAT
CTTTTTCATCATTGTTGTGTATAATTTACCTCTCATTAGAAAGGCTAACAAATTTTAAGT
GCCACAGGTTTTAAGGATTCTGCAGAAAAAAAGAAAAAAGTCCTTCAGTTTAGAACCTAC
AAAAGCTTGTGTATCTTGATTAATGTACTTTTTATTGCATGGTGTGAACTAAGTTATTGC
TGCANTAAATTTAATATATCCTGTTTGTATTTTTTTCCAGTGTATATGTTTNGGTGGAGT
TTTATGACAGATATAACATTT

Restriction Sites: NotI-NotI

ACCN: NM_003337

Insert Size: 1050 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_003337.2, NP_003328.1

RefSeq Size: 2631 bp

RefSeq ORF: 459 bp

Locus ID: 7320

UniProt ID: P63146

Cytogenetics: 5q31.1

Domains: UBCc

Protein Families: Druggable Genome

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. This enzyme is required for post-replicative DNA damage repair. Its protein sequence is 100% identical to the mouse, rat, and rabbit homologs, which indicates that this enzyme is highly conserved in eukaryotic evolution. [provided by RefSeq, Jul 2008]