

Product datasheet for SC116377

UBE4B (NM_006048) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE4B (NM_006048) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE4B
Synonyms:	E4; HDNB1; UBOX3; UFD2; UFD2A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116377 sequence for NM_006048 edited (data generated by NextGen Sequencing)

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ATGGAGGAGCTGAGCGCTGATGAGATTCGACGGAGGCGCCTTGCACGACTTGCTGGTGGAA
CAGACCTCTCAGCCAACCCACTCACCTCTCCCAGAGGGAGAACCCTCCGGGGCCT
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Clone variation with respect to NM_006048.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006048 unedited
 CCGATTTTGTAAACGACTCACTATTAGGGCGGCCGATTTCGGCACCAGGCAGGATCTG
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 ACATGGNAGGTGATGAAAATGATCGAAGAGAAAGCGGAGCCTCAGTGAAGGAGCCTTCC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006048 unedited
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 AAAATCTTGCCTTTTTTATTAATCATGTCTAACACCAATTAACCAATATATGTGA
 ATATGATATAAAAATACGATCCCAGGATTAACACTTGGTAGCAGGCACAGTTATCTCACA
 GAATATATGTTTGGAGGGCCAGGAAAGGAGTTTACTTTTGTGTTTGTCTCTTAAAAA
 AATCCACAGCAGTGCAAGTAGGGTCAGGAAGGGGGAGAGGGGAAAAAAGATTCTTTAGCA
 GCAAAAATGTCCAAGGTTCTTAATCACAATCAAATCAACGGATATTGGATTAAAAA
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 ACTGTGACATACGAAGGACATGCTTTATTACACAAGCAACCATAAACCTGTCCCTTAAG
 CTTTGTACCGTGTGTTGCACTTAAATATATGTACAGGAAGCGGGCTCCTTCTCATCCA
 TGTCTTTTCAGGCTCAGCGTTTGTCTGCTCTGGGTGGGCCTGGGGTTGGTTTGCCACAT
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 CCTTGGCTGTGTCTAGCAGAGGGTGGCGCGGAACGGTTTANNGATCGCTGNTCTGTTT
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 TGTCCATGATGGTGCAAAGGGTCCGTGGGGATTGANCCAGTGCCGCAAGATGATGA
 ACGTCCATGATGGTGCAAAGGGTCCGTGGGGATTGANCCAGTGCCGCAAGATGATGA
 CTTGACTCATCAGAGCGCCTGTATCCATTCTGGCGCGGGTTTTGCACCTATTTCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_006048

Insert Size:

4600 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_006048.2](#), [NP_006039.2](#)

RefSeq Size: 5512 bp

RefSeq ORF: 3522 bp

Locus ID: 10277

UniProt ID: [O95155](#)

Cytogenetics: 1p36.22

Domains: U-box

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 an additional conjugation factor, E4, which is involved in multiubiquitin chain assembly. This gene is also the strongest candidate in the neuroblastoma tumor suppressor genes. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an in-frame coding exon in the middle region of the CDS, and thus encodes a shorter isoform (2), as compared to variant 1.