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Product datasheet for MR228126

Ube2d2b (NM_001276397) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2d2b (NM_001276397) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ube2d2b
Synonyms:	1700013N18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR228126 representing NM_001276397
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCTGAAGAGAATCCACAAGGAACTGAACGACCTGGCCCAGGATCCCCCAGCACAGTGTTCAGCAG
GTCCTGTCGGGGAAGATATGTTTCACTGGCAAGCTACAATCATGGGGCCAAATGATAGTCCCTATCAGGG
CGGAGCATTTTTCTTGACAATTGATTTCCCAACAGAGTACCCCTTCAAACCACCTAAGGTTGAATTTACA
ACAAGAATTTATCATCCAAATGTTAACAGTAACGGCAGTATTTGTCTTGATATTCTTCGGTCACAGTGGT
CTCCAGCACTAACTATTTCCAAAGTACTTTTGTCCATCAGTTCTCTGTTGTGTGACCCCAATCCAGATGA
TCCCTTAGTGCCTGAGATTGCTCAGATCTACAAAACAGATAGAGACAAGTACAACAGAACAGCTCGGGAA
TGGACTCAGAAATATGCGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR228126 representing NM_001276397
Red=Cloning site Green=Tags(s)

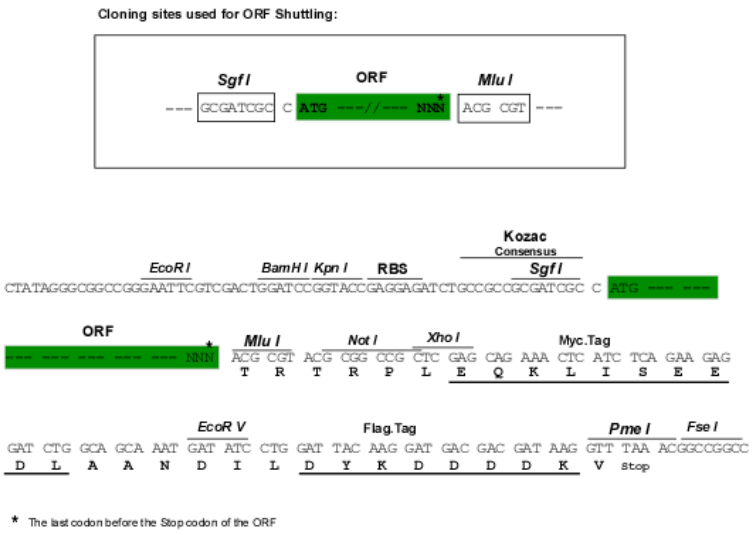
MALKRIHKELNDLAQDPPAQCSAGPVGEDMFHWQATIMGPNDSPYQGGAFFLTIDFPTEYPFKPPKVEFT
TRIYHPNVNSNGSICLDILRSQWSPALTISKVLLSISSLLCDPNPDDPLVPEIAQIYKTDRDKYNRTARE
WTQKYAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



ACCN: NM_001276397

ORF Size: 441 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001276397.1, NP_001263326.1

RefSeq Size: 1616 bp

RefSeq ORF: 444 bp

Locus ID: 73318

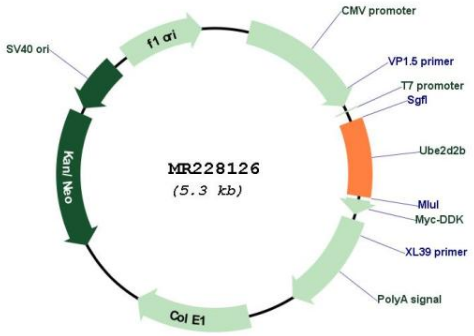
UniProt ID: Q6ZWY6

Cytogenetics: 5 F

MW: 17.1 kDa

Gene Summary: Catalyzes the covalent attachment of ubiquitin to other proteins. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Mediates ubiquitination of PEX5 and autoubiquitination of STUB1 and TRAF6. Involved in the signal-induced conjugation and subsequent degradation of NFKBIA, FBXW2-mediated GCM1 ubiquitination and degradation, MDM2-dependent degradation of p53/TP53 and the activation of MAVS in the mitochondria by DDX58/RIG-I in response to viral infection (By similarity). Plays a role in early maturation of the testis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228126