

Product datasheet for MR200998

Ube2d1 (NM_145420) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2d1 (NM_145420) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ube2d1
Synonyms: UBCH5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200998 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCTGAAGCGGATCCAGAAAGAATTAAGTGATTTACAGCGTGATCCACCTGCCCACTGCTCAGCGG
 GACCCGTGGGAGATGACTTGTTCCACTGGCAAGCAACCATCATGGGGCCCCCTGACAGCGCCTATCAAGG
 TGGAGTCTTCTCCTCACTGTCCACTTTCGACAGACTATCCCTTTAAACCACCAAGATTGCTTTCACA
 ACAAAAACTACCACCAATATAAACAGCAACGGGAGTATTTGTCTTGACATCCTGAGGTCCCAGTGGT
 CGCCCGCTTTGACTGTATCGAAAGTCTTGCTGTCCATATGCTCGCTGCTGTGATCCTAATCCAGACGA
 TCCTTAGTACCAGATATTGCACAGATCTATAAATCAGACAAAGAAAAATACAACAGGCACGCAAGAGAA
 TGGACTCAGAAATATGCAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200998 protein sequence
 Red=Cloning site Green=Tags(s)

MALKRIQKELSDLQRDPPAHCSAGPVGDDLFWQATIMGPPDSAYQGGVFFLTVHFPTDYPFKPPKIAFT
 TKIYHPNINSNGSICLDILRSQWSPALTVSKVLLSICLLCDPNPDDPLVPDIAQIYKSDKEKYNRHARE
 WTQKYAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_145420

ORF Size: 444 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.

RefSeq: [NM_145420.2](#)

RefSeq Size: 1448 bp

RefSeq ORF: 444 bp

Locus ID: 216080

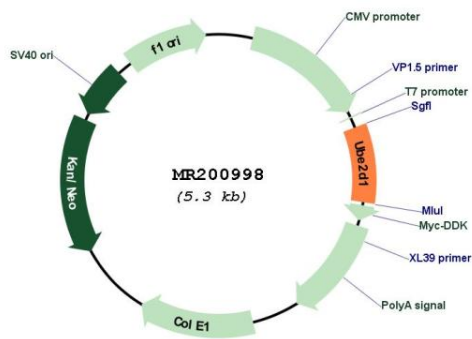
UniProt ID: [P61080](#)

Cytogenetics: 10 B5.3

MW: 16.6 kDa

Gene Summary: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. 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 auto-ubiquitination of STUB1, TRAF6 and TRIM63/MURF1. Ubiquitinates STUB1-associated HSP90AB1 in vitro. Lacks inherent specificity for any particular lysine residue of ubiquitin. Essential for viral activation of IRF3. Mediates polyubiquitination of CYP3A4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200998