

Product datasheet for MR226031

Ube2e1 (NM_009455) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2e1 (NM_009455) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ube2e1
Synonyms: Ubce5; ubcM2; UbcM3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226031 representing NM_009455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGATGACGATTTCGAGGGCCAGCACCAGCTCCTCGTCATCTTCGTCTCCAACCAGCAGACCGAGA
AAGAAGGCAGCACCCCAAGAAGAAGGAGAGTAAAGTCAGCATGAGCAAAAATTCGAAGCTTCTCTCCAC
CAGCGCTAAGAGGATCCAGAAGGAGCTGGCAGACATCACTTTAGACCCTCCGCCAAACTGCAGTGTGGT
CCCAAGGGTGACAACATCTATGAGTGGAGATCAACCATTCTGGGTCTCCAGGGTCTGTGTATGAAGGTG
GAGTATTCTTCTTGACATTACTTTTACACCAGAGTATCCTTTCAAGCCTCCAAAGTTACATTTCTGAC
AAGAATTTATCACTGTAATATAATAGCCAAGGAGTATTTGCTTGGACATATTGAAAGACAACCTGGAGC
CCAGCCCTAACCTCTCGAAAGTCTCCTTTCTATCTGCTCACTCCTTACAGACTGCAATCCTGCTGACC
CTTTGGTGGGAAGTATTGCCACTCAGTACATGACCAACAGAGCAGAACACGACAGAATGGCCAGACAGTG
GACCAAGAGATACGCTACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226031 representing NM_009455
 Red=Cloning site Green=Tags(s)

MSDDDSRASTSSSSSSSNQQTEKEGSTPKKESKVSMSKNSKLLSTSAKRIQKELADITLDPNCSAG
PKGDNIYWRSTILGPPGSVYEGGVFFLDITFTPEYFPKPPKVTFRTRIYHCNINSQGVICLDILKDNWS
PALTISKVLLSICSLLTDCNPADPLVGSIAATQYMTNRAEHRMARQWTKRYAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mm9058_f10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009455

ORF Size: 579 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_009455.3](#), [NP_033481.1](#)

RefSeq Size: 1386 bp

RefSeq ORF: 582 bp

Locus ID: 22194

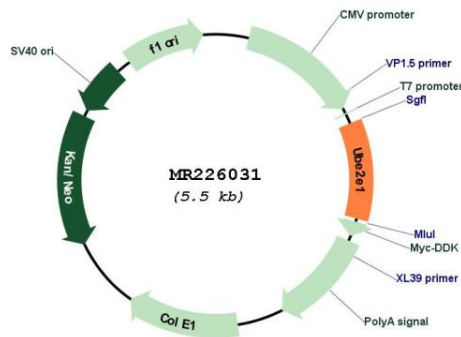
UniProt ID: [P52482](#)

Cytogenetics: 14 A2

MW: 21.3 kDa

Gene Summary: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes the covalent attachment of ISG15 to other proteins. Mediates the selective degradation of short-lived and abnormal proteins. In vitro also catalyzes 'Lys-48'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226031