

Product datasheet for MR223806

Ube2I3 (NM_009456) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2I3 (NM_009456) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ube2I3
Synonyms: C79827; Ubce7; UbcM4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223806 representing NM_009456
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCGGCCAGCAGGAGGCTGATGAAGGAGCTTGAAGAGATCCGCAAATGTGGAATGAAAACTCCGTA
 ACATCCAGGTTGATGAAGCTAATTTATTGACTTGGCAAGGGCTTATTGTTCTGACAACCCTCCATATGA
 TAAGGGAGCCTTCAGAATTGAAATCAACTTCCAGCAGAGTATCCATTCAAACCACCAAGATCACATTT
 AAAACAAAGATCTACCACCCTAACATCGATGAGAAGGGGCGAGTCTGTCTGCCAGTCATTAGTGCTGAAA
 ACTGGAAGCCAGCCACCAAGACTGACCAAGTAATCCAGTCCCTCATAGCACTGGTGAATGACCCCGAGCC
 TGAGCACCCTCGGGCTGACCTAGCTGAAGAATACTCTAAGGACCGTAAAAAATCTGTGAAGAATGCT
 GAAGAGTTTACAAGAAATATGGGGAAAAGCGACCTGTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223806 representing NM_009456
 Red=Cloning site Green=Tags(s)
 MAASRRLMKELEEIRKCGMKNFRNIQVDEANLLTWQGLIVPDNPPYDKGAFRIEINFPAYPFKPKPKITF
 KTKIYHPNIDEKGQVCLPVISAEENWKPATKTDQVIQSLIALVNDPQPEHPLRADLAEYSKDRKKFKCKNA
 EEFTKKYGEKRPVD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_d02.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009456

ORF Size: 462 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_009456.2](#), [NP_033482.1](#)

RefSeq Size: 2609 bp

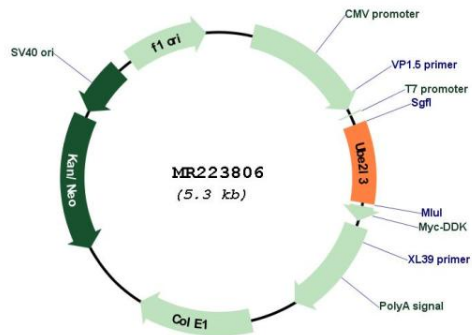
RefSeq ORF: 465 bp

Locus ID: 22195

UniProt ID: [P68037](#)
Cytogenetics: 16 10.63 cM
MW: 18.3 kDa

Gene Summary: Ubiquitin-conjugating enzyme E2 that specifically acts with HECT-type and RBR family E3 ubiquitin-protein ligases. Does not function with most RING-containing E3 ubiquitin-protein ligases because it lacks intrinsic E3-independent reactivity with lysine: in contrast, it has activity with the RBR family E3 enzymes, such as PRKN and ARIH1, that function like function like RING-HECT hybrids. Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'-linked polyubiquitination. Involved in the selective degradation of short-lived and abnormal proteins. Down-regulated during the S-phase it is involved in progression through the cell cycle. Regulates nuclear hormone receptors transcriptional activity. May play a role in myelopoiesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223806