

Product datasheet for **MR203078**

Ube2z (BC054412) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2z (BC054412) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ube2z
Synonyms:	AW049199; C030047H17Rik; D11Moh35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203078 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCATTTATAAGGAGCCTCCTCCAGGAATGTTGTTGTGCCGACACTGTTGACATGACTAAGATTC
ATGCTTTGATCACAGGCCCATTTGACACTCCTTATGAAGGGGTTTCTTCTGTTCTGTTTCGGTGTCC
ACCTGACTATCCCATCCACCCACCTCGGGTCAAAGTATGACAACGGGAATAACACAGTGAGGTTAAC
CCCAACTTCTACCGCAATGGGAAAGTCTGCTTGAGTATTCTAGGTACGTGGACTGGCCCTGCCTGGAGCC
CAGCCCAGAGCATCTCTTCTGTGCTTATCTCCATCCAGTCCCTGATGACTGAGAATCCCTACCACAACGA
ACCAGGCTTTGAACAGGAAAGACATCCAGGAGACAGAAAACTATAATGAATGTATCCGGCAGGAGACC
ATCAGGGTTGCAGTCTGTGACATGATGGAGGGCAAGTGCCCTGCCCTGAACCCCTACGGGGAGTGATGG
AGAAGTCTTCTGGAGTATTATGACTTCTATGAGGTGGCCTGCAAAGATCGCCTGCATCTTCAAGGCCA
AACTATGCAGGACCCCTTTGGAGAGAAGCGGGCCACTTTGACTACCAGTCCCTCTTGATGCGCCTCGGA
CTGATTCGACAGAAAGTCTGAAAGGCTCCATAATGAAAATGCTGAAATGGACTCTGATAGCAGCTCT
CTGGGACAGAGACAGACCTTCATGGGAGCCTGAGGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203078 protein sequence
Red=Cloning site Green=Tags(s)

MSIYKEPPPMPFVVPDVTDMTKIHALITGPFDTPEGGFFLVFVRCPPDYPIHPPRVKLMTTGNNTVRFN
 PNFYRNGKVCLSLILGTWTGPAWSPAQSISSVLISIQSLMTENPYHNEPGFEQERHPGDSKNYNECIRHET
 IRVAVCDMMEGKCPCEPLRGVMEKSFLEYDYDFYEVACKDRLHLQGQTMQDPFGEKRGHFQYQSLMLRLG
 LIRQKVLRLHNENAEMDSDDSSSGTETDLHGSLRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC054412

ORF Size: 738 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: [BC054412](#), [AAH54412](#)

RefSeq Size: 2699 bp

RefSeq ORF: 740 bp

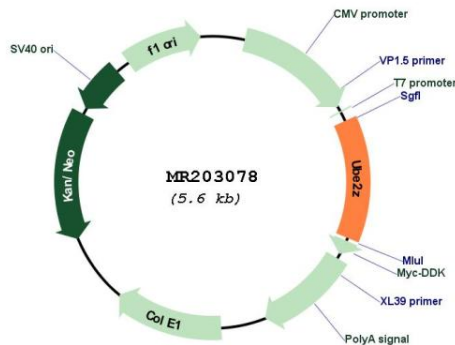
Locus ID: 268470

Cytogenetics: 11 59.28 cM

MW: 28.1 kDa

Gene Summary: Catalyzes the covalent attachment of ubiquitin to other proteins. Specific substrate for UBA6, not charged with ubiquitin by UBE1. May be involved in apoptosis regulation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203078