

Product datasheet for **MG203078**

Ube2z (BC054412) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2z (BC054412) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ube2z
Synonyms:	AW049199; C030047H17Rik; D11Moh35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203078 representing BC054412 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCATTTATAAGGAGCCTCCTCCAGGAATGTTGTTGTGCCGACACTGTTGACATGACTAAGATTC
ATGCTTTGATCACAGGCCCATTTGACACTCCTTATGAAGGGGTTTCTTCTGTTGCTTTTCGGTGTCC
ACCTGACTATCCCATCCACCCACCTCGGGTCAAAGTATGACAACGGCAATAACACAGTGAGGTTAAC
CCCAACTTCTACCGCAATGGAAAGTCTGCTTGAGTATTCTAGGTACGTGGACTGGCCCTGCCTGGAGCC
CAGCCCAGAGCATCTCTTGTGCTTATCTCCATCCAGTCCCTGATGACTGAGAATCCCTACCACAACGA
ACCAGGCTTTGAACAGGAAAGACATCCAGGAGACAGAAAACTATAATGAATGTATCCGGCAGGAGACC
ATCAGGGTTGCAGTCTGTGACATGATGGAGGGCAAGTGCCCTGCCCTGAACCCCTACGGGGAGTGATGG
AGAAGTCTTCTGGAGTATTATGACTTCTATGAGGTGGCCTGCAAAGATCGCCTGCATCTTCAAGGCCA
AACTATGCAGGACCCCTTTGGAGAGAAGCGGGCCACTTTGACTACCAGTCCCTCTTGATGCGCCTCGGA
CTGATTCGACAGAAAGTCTGAAAGGCTCCATAATGAAATGCTGAAATGGACTCTGATAGCAGCTCCT
CTGGGACAGAGACAGACCTTCATGGGAGCCTGAGGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203078 representing BC054412
 Red=Cloning site Green=Tags(s)

MSIYKEPPPGMFVVPDVTDMTKIHALITGPFDTPEGGFFLVFVRCPPDYPIHPPRVKLMTTGNNTVRFN
 PNFYRNGKVCLSIILGTWTGPAWSPAQSISSVLISIQSLMTENPYHNEPGFEQERHPGDSKNYNECIRHET
 IRVAVCDMMMEGKCPCEPLRGVMEKSFLEYDYDFYEVACKDRLHLQGQTMQDPFGEKRGHFYDQSLMLRLG
 LIHQVLERLHNENAEMSDSSSSSGTETDLHGSLRV

TRTRPLE - GFP Tag - V

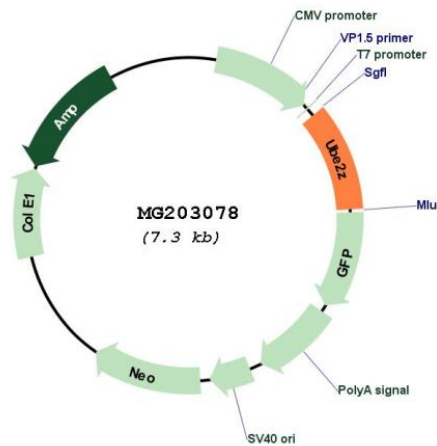
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC054412

ORF Size: 740 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:	<ol style="list-style-type: none">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
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]