

Product datasheet for **MG202930**

Ube2r2 (BC011112) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2r2 (BC011112) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ube2r2
Synonyms:	Ubc3b, Cdc34b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202930 representing BC011112 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCAGCAGATGACCAGCTCGCAGAAAGCCCTGATGCTTGAGCTGAAATCCCTGCAGGAGGAAC
CGGTGGAGGGCTCCGGATCACCTGGTGGATGAGTCCGACCTTTACAAGTGGGAGGTGGCCATCTTCGG
ACCCCTAACACCCTCTACGAAGCGGCTACTTCAAGGCACATATTAAGTTTCTATTGATTACCCATAT
TCACCACCTACCTCAGATTCTTGACAAAATGTGGCACCCCAACATTTATGAGAATGGAGATGTATGCA
TTTCAATTCTTCATCCGCTGTAGATGACCCGAGAGTGGAGAGTACCCTCTGAAAGGTGGAACCTAC
TCAGAAGTTAGGACTATCCTGTTAAGTGTGATCTCACTGCTTAATGAGCCCAACACCTTTCTCCAGCC
AATGTGGATGCTTCAGTCATGTTTCAAGAAATGGAGGGACAGCAAAGGAAAAGACAAGGAATATGCTGAGA
TCATTAGGAAACAGGTCTCAGCCACTAAAGCTGAGGCGGAGAAGGATGGAGTGAAGGTCCCCACAACCTT
GGCAGAACTACTGCATCAAACTAAAGTGCCTTCCAATGACAACAGCTCAGATTTGCTTTATGACGACTTG
TATGACGACGACATTGATGATGAAGATGAAGAGGAAGAAGATGCCGACTGTTATGATGATGATGATTCTG
GAAATGAGGAGTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202930 representing BC011112
Red=Cloning site Green=Tags(s)

MAQQQMTSSQKALMLELKSLQEEPVEGFRITLVDSDLYNWEVAIFGPPNTLYEGGYFKAHIKFPIDYPY
 SPPTFRFLTKMWHPNYIENGDVCSILHPPVDDPQSGELPSEWRNPTQNVRTILLSVISLLNEPNTFSPA
 NVDASVMFRKWRDSKGGKKEYAEIIRKQVSATKAEAEKDGKVPVPTTLAEYCIKTKVPSNDNSSDLLYDDL
 YDDIDDEDEEEEEADCYDDDDSGNEES

TRTRPLE - GFP Tag - V

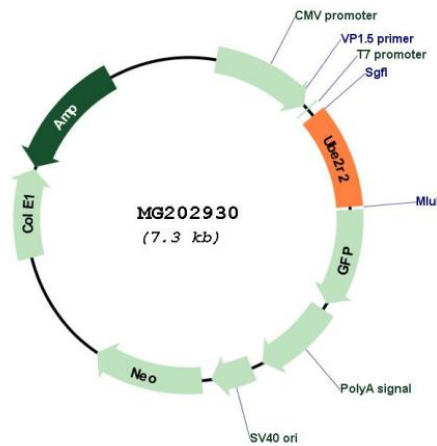
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC011112

ORF Size: 716 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:	BC011112 , AAH11112
RefSeq Size:	1246 bp
RefSeq ORF:	716 bp
Locus ID:	67615
Cytogenetics:	4 A5
Gene Summary:	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes monoubiquitination and 'Lys-48'-linked polyubiquitination. May be involved in degradation of katenin.[UniProtKB/Swiss-Prot Function]