

Product datasheet for **MG202702**

Ubtd1 (NM_145500) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubtd1 (NM_145500) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ubtd1
Synonyms:	BC016129
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202702 representing NM_145500 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACTGCGTGGGGAGACAGCGCCGGGAGAGGGCCGGCTGCTCCGGGACACCCCGCAAGCGAGCAG
GTCGCAATGAGCCCTTGAAGAAGGAGCGGCTCAAGTGAAGAGTGACTATCCCATGACTGATGGGCAGCT
GCGGAGCAAACGAGATGAGTTCTGGGACACAGCACCTGCCTTTGAGGGCCGCAAGGAGATCTGGGATGCC
CTCAAGGCTGCTGCCTATGCTGCTGAAGCTAATGACCATGAGCTGGCTCAGGCCATCCTGGATGGAGCCA
GCATCACCTGCCTCATGGAACCTTTGTGAATGCTATGACGAGCTGGTAACCGCTATCAACTGCCCAT
CTATTGCCTGTCCCACCTGTGAACTTGTGCTGGAGCACACGGAGGAGGAGGCCTGGAGCCTCCCGAG
CCCACCCCTAGTGTGCGCCGTGAATCCCACTGAAAGTGCCTCTCCACAGGCAAGGACGTGAGGCTCA
ATGCCAGCCTGCCTGACACGGTGGGGCAACTCAAGAGGCAGCTGCACAGCCAGGAGGGCATTGAGCCATC
CTGGCAGAGATGGTTCTTCTCTGGGAAGCTGCTTACAGACCGCACAAAGGCTCCAGGAAACAAGATTCAA
AAAGACTTCGTATCCAGGTCATCATCAACCAGCCCCACCACCCAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202702 representing NM_145500
 Red=Cloning site Green=Tags(s)

MGNCVGRQRRERPAAPGHPKPRKAGRNEPLKKERLKWKSDYPMTDGQLRSKRDEFWDTAPAFEGRKEIWDA
 LKAAAYAAEANDHELAQAAILDGASITLPHGTLCECYDELGNRYQLPIYCLSPPVNLLLEHTEESLEPPE
 PTPSVRREFPLKVRLSTGKDVRLNASLPDVTGQLKRLHSQEGIEPSWQRWFFSGKLLTDRTRLQETKIQ
 KDFVIQVIINQPPPPQD

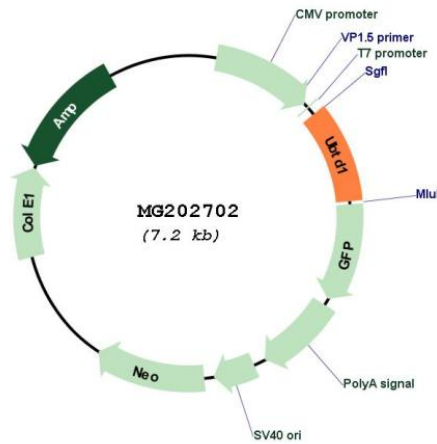
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145500

ORF Size: 681 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:	NM_145500.3 , NP_663475.1
RefSeq Size:	1527 bp
RefSeq ORF:	684 bp
Locus ID:	226122
UniProt ID:	Q91WB7
Cytogenetics:	19 C3
Gene Summary:	May be involved in the regulation of cellular senescence through a positive feedback loop with TP53. Is a TP53 downstream target gene that increases the stability of TP53 protein by promoting the ubiquitination and degradation of MDM2.[UniProtKB/Swiss-Prot Function]