

Product datasheet for **MG206322**

Uba5 (NM_025692) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uba5 (NM_025692) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uba5
Synonyms:	5730525G14Rik; AW240750; Ube1dc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206322 representing NM_025692 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGACTCGGTGGAGCGACTGCGACAGCGGGTTGAGGAGCTGGAGCAGGAACCGCCGGGAGAGAA
CCCGGCGCTCTGGAGGGGACGGCCACTGCGCCGGACCCGCATCCAGGAGATGAGCGACGAGGTGTTGGA
TTCCAATCCCTACAGCCGCTCTGATGGCATTGAAACGGATGGGAATTGTCAGTGACTATAAGAAAATCCGT
ACCTACGCTGTAGCAATAGTAGGTGTTGGTGGAGTTGGTAGTGTGACTGCTGAAATGCTGACAAGATGTG
GCATTGGTAAGCTGCTGCTCTTTGACTATGATAAGGTGGAGCTGGCCAACATGAATCGGCTTTTCTCCA
GCCATATCAAGCAGGACTGAGTAAGGTCCACGCAGCAGAACACACCCTGAGGAACATTAACCTGATGTT
CTGTTTGAAGTCCACAATAACAATATCACCACAGTGGAACTTTGAACATTTTCAATGAATAAGAATAAGTA
ATGGTGGATTAGAAGAAGGACAACCTGTTGACCTAGTTCTTAGCTGTGTGGACAACCTTTGAAGCTCGAAT
GGCAATAAATACAGCTTGTAAATGAACTTGGTCAGACATGGATGGAATCTGGGGTCAGTAAAAATGCAGTT
TCCGGGCACATCCAGCTGATGATCCCTGGAGAGTCGGCTTGCTTCGCGTGTGCGCCACCCTGTAGTTG
CTTCAAATATTGATGAAAAACCTGAAACGAGAAGGCGTCTGCGCAGCCAGTCTCCCACCACCATGGG
GGTGGTGGCCGGATCTTGGTACAAAATGTAATAAAGTTTCTGTTAAAATTTGGCACTGTCAGTTTTTAC
CTTGGATACAATGCAATGCAGGATTTTTCCCTACCATGTTTCATGAAGCCAAACCTCATTGTGATGACA
AAAATGTAGAAAAGCAACAAGAAGAATACAAGAAGAGGGCAGCAGCACTGCCACGCAGGAGGCTGAGCC
CCAGGAGGAGGCAGAGGTGGTTCATGAGGACAACGAGTGGGGCATTGAGCTGGTGTCTGAGGTTTCAGAA
GAGGAACTGAAGAATCTTCAGGTCTGTTCCACCTTACCTGAAGGCATTACAGTGGCATAACAGTCC
CAAAGAAGACGGAGGATTCGGCTTCTGAAGTAACAGTGAAGACTCTGGTGAAGCTTGAAGATCTTAT
GGCCAGGATGAAGACTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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 Red=Cloning site Green=Tags(s)

MADSVRLRQRVEELEQELARERTRRRSGGDGHCGRTRIQEMSDEVLDSPNYSRLMALKRMGIVSDYKKIR
 TYAVAIIVGVGGVGSVTAEMLTRCGIGKLLLFDYDKVELANMNRLFQPYQAGLSKVHAAEHLRNINPDV
 LFEVHNYNITTTVEHFEHFMNRISNGGLEEGQPVLDLVCVDNFEARMAINTACNELGQTWME SGVSENAV
 SGHIQLMIPGESACFACAPPLVVASNIDEKTLKREGVCAASLPTTMGVVAGILVQNVLKFLLKFGTVSFY
 LGYNAMQDFPPTFMKPNPHCDDKNCRKQEEYKKRAAALPTQEAEPQEEAEVVEDNEWGIELVSEVSE
 EELKNSSGPVPTLPEGITVAYTVPKKTEDSASEVTVEDSGESLEDLMARMKTM

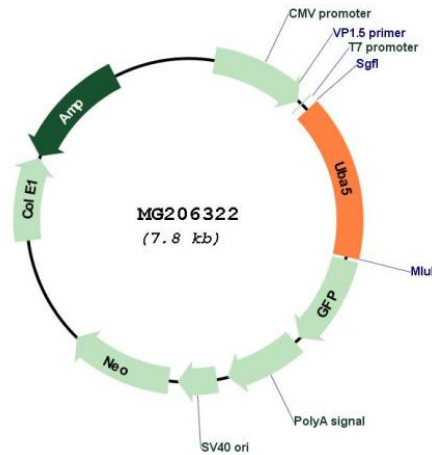
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_025692

ORF Size:	1209 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_025692.1 , NP_079968.1
RefSeq Size:	1476 bp
RefSeq ORF:	1212 bp
Locus ID:	66663
UniProt ID:	Q8VE47
Cytogenetics:	9 F1
Gene Summary:	E1-like enzyme which activates UFM1 and SUMO2.[UniProtKB/Swiss-Prot Function]