

Product datasheet for **MG211580**

Ube3b (NM_054093) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube3b (NM_054093) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ube3b
Synonyms:	AI449831; AU020130
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211580 representing NM_054093 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCACTGTATCTCAGACCTCCAGAGCATGGTTCATCGACAGAGCCCGCAGGCACGAGAAGAGAGGC
TGGTGCAGAAGGAGCGGGAGCGCTCAGCGGTGACGATCCAGGCCCTAGTCCGCAGTTTCTCTGCCGGAG
GCGACTGCACAGAGACATCAGGAAAGAGATTGATGAGTTTTTTAGTGCTGATGAGTCTGGGTCCAGTAAA
AGAAGTGCATTTGTATTTTAAGATTGCCAGGAGACTGCTGTTTATATGCAAACTACCGAGGACAGCG
AGAGACTGGAGAAGTTGTGTCGAAGCATCTGAACAGCATGGATGCCGAGAATGAGCCAAAGGTGTGGTA
CGTGTCCCTGGCTCTCCAAGGACCTCAGCTGCTGTGGATTAAGCAGATCAAGAGCATCCTGTGGCAC
TGCTGTGAGCTTCTGGGGCAGCTCAAGCCAGAGATCTTACAGGACTCCAGGCTCATCACGCTGTACCTCA
CCATGCTTGTGACCTTACAGACACTTCAACATGGAAGATTCTCCGGGAAAAGGTGAGAGCCTTCGGCC
AGCCCTGAACCACATTTGCGCAATATAATGGCCATCTCAACCAGCGTGGACTTTACTCTGTATTGCGAG
GTACTGCTGACCCGAGGCCTGGCCAGGCCCGGCCCTGTCTGTCCAAAGGCATGTTAACAGCAGCCTTCT
CTCTGGCCCTGCGCCCTGTGGTTGCTGCGCAGTCTCAGACAATCTTATGCGACCATTATCATCCACGT
CATGTCCGTACCTGCTCTCGTGGCTCATCTCAGCACCGTGGCCCTGAGCGCCTCGGCGTTTTAGAGTCC
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CTTCAGTGACATCCTGAGCAGGAAGCTGCTGGAGCATGCAGAGCCGGCCCGGTGCAACCGCAGCCGTCC
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ACATCCTCAGGCCTGTTGGGGCCCGCTGTCGACTCCGCTGAGGTGCGGAAGGTCTGCAACATTTGCGT
GCTCTACCAGACCTCGTGACGACCCTCACCCAGATCCGCTGCAGATCCTCACAGTCTTACGTACCTG



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GATGACCTGCTGCCCAAGCTCTGGGCGTTATCTGTGAGCTGGGGCCCCACGGCGGGCTCAAGCTCTTCC
 TGGAGTGCCTGAACAATGACACTGGAGAGTCCAAGCAGCTCCTGGCCATGCTGATGCTCTTCTGTGACTG
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 GAGAATTACCTGCAGCTCTCGAGTTTGTGGGAAAGATGCTGGGAAAGGCAGTGTATGAGGGGATCGTGG
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 TGCTCCCGCCCCGCTCCTAGGATTCGCTACCTCAAGCCTCCGTTCTCCATCCGCTGTGTGGAAGTAT
 CAGATGACCAGGACACTGGGATACCTGGGACGCTCCTCAGGGGCTTCTTACCATCCGACAAGAGGGA
 GCCAGGGGGCGCTGCCACATCTTCCACTTGTCTCAACCTGCTTAAGCTGCCAACTACGAAGAAGAAG
 AGCGTACTGCGAGAGAACTACGCTATGCCATCAGCATGAACACGGGCTTTGAGCTCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211580 representing NM_054093
 Red=Cloning site Green=Tags(s)

MFTVSQTSRAWFIDRRARQAREERLVQKERERSAVTIQALVRSFLCRRRLHRDIRKEIDFFSADESGSSK
 RSALCIFKIARRLLFICKTTEDSERLEKLCRSILNSMDAENEPKVWYVSLALSKDLTLLWIKQIKSILWH
 CCELLGQLKPEILQDSRLITLYLTMLVTFDTSTWKILRGKESLRPALNHICANIMGHLNQRGLYSVLQ
 VLLTRGLARPRPCLSKGMLTAAFSLALRPVAAQFSDNLMRPFIIHVMSVPALVAHLSTVAPERLGVLES
 HDMLRKFIVFLRDRDRDACESLEGCHTLCLMGNLLHLGSLSLRLLLEEEMDGFVSALTQMLCYCQKYVA
 QKKNLTHWHPVLGWFSQPVDYGLNDSMYLITKQLQFLWAVPLIRILFSDILSRKLEHAEPAPVQPQPS
 SPQTVLPVKSLLKRAFQKSASVRNLRPVGRRVDSAEVRKVCNICVLYQTSLTTLTQIRLQILTGLTYL
 DDLLPKLWAFICELGPHGGLKLFLECLNNDTGESKQLLAMLMLFCDCSRHLITILDDIEVYEEQISFKLE
 ELVTISSFLNSFVKMIWDGIVENAKGETLELFQSVHGWLMVLYERDCRRRFAPEDHWRRLDKPGVLFQ
 ELDKDRRAQLVLQHIPHVPHKNRVLLFRNMVIKEKEKLGLETSSASPHVTHITIRSRMLEDGQEQL
 RQLSQHAMKGVIRVKFVNDLGVDEAGIDQDGVFKEFLEEIIKRVFDPALNLFKTTSGDERLYPSPTSIIH
 ENYLQLEFVKGMLGKAVYEGIVDVPFASFLLSQMLGHHHSVFYSSVDELPSLDFEFYKNLTSIKRYDG
 DIADLGLTLYDEEDVMGQLVCHELVPGGKTIPTDENKISYIHLMAHFRMHTQIKNQTAALISGFRSIIK
 PEWIRMFSTPELQRLISGDNAEIDLEDLKKHTVYGGFHGSHRVIWLDILASDFTPEERAMFLKFVTS
 CSRPPLLGFAYLKPPFSIRCVEVSDDQDTLGSVLRGFFTIKREPGRPLPTSSTCFNLLKLPNYSKK
 SVLREKLRYAISMNTGFELS

TRTRPLE – GFP Tag – V

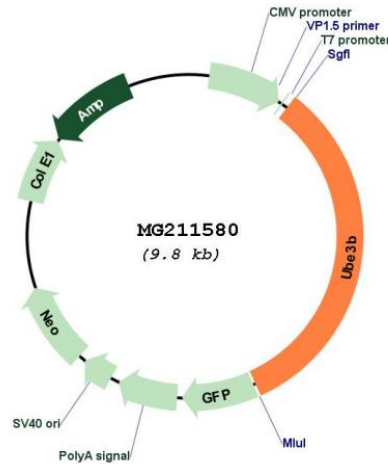
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_054093

ORF Size: 3210 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:	<u>NM_054093.3</u>
RefSeq Size:	5191 bp
RefSeq ORF:	3213 bp
Locus ID:	117146
UniProt ID:	<u>Q9ES34</u>
Cytogenetics:	5 F
Gene Summary:	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. [UniProtKB/Swiss-Prot Function]