

Product datasheet for **MG206051**

Bbox1 (NM_130452) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bbox1 (NM_130452) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bbox1
Synonyms:	A1874739
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206051 representing NM_130452 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACTGTGCCATCCTAAAGGCAGAAGCAGTGGATGGGGCTCATTTGATGCAGATCTTTTGGCAGCATG
GGGCAGAGTCCCTCTACCCAGCAGTATGGCTGAGAGACAAGTGCAGTGTTCAGACTGCTACCTACATTC
TGCAAAGCTCGAAACTTCTCCTGGAAGCTCTTGATGTAACATTAGAATCGATGATTTGACATTTGAC
CGAAAAAGGTTTATATCACATGGCCCAATGACCATTACAGTGAATTCGAAGCTAACTGGCTGAAGAAAA
GATGCTTTTCTCAACAGGCCAGAGCAAGGCTCCAAGGAGAATTGTTTTACCAGAATGTCAGTACTGGGG
CTCAGAACTCCAGCTGCCAACTCTGAATTTTGAAGATGTGTTAAATGATGATGACCATGCATACAATGG
CTTTCCAGTCTCAAGAAAGTAGGCATTGTGAGACTCACCGGAGCAGCTGACAAACGTTGGTGAATCATAA
AACTTGGGAAAAGAATTGGCTTCTGTACCTCACATTTTATGGACACACTTGGCAAGTGCAGGACAAGAT
TGATGCCAACAAATGTGGCTTATACAACTGGGAAGCTCAGCTTCCACACTGACTACCCAGCCCTCCACCAT
CCACCTGGGGTTCAGCTTCTGCATTGTATCAAGCAAACAGTACAGGAGGTGACTCTGAAATTGTGGATG
GGTTTAACTGTGCCAAAAGCTCAAGGAGAAGAACCCTCAGGCTTCCATATTCTCTCTCGACCTTTGT
GGATTTTACAGACATTGGAGTGGATTACTGTGATTTCTCTGTGCAATCTAAACACAAGATTATAGAGTTG
GATGATAAAGGCCAAGTGGTTCGCGTCAACTTCAACAATGCAACCAGAGATACAGTCTTTGATGTCCCA
TCGAAAGAGTTTCAGCCTTCTACGCTGCTGAAAGAGTTTGTGACCTCATGAACAGCAAAGAATACAA
GTATACCTTCAAGATGAATCCAGGTGATGTGATTACCTTCGACAAGTGGCGCTTGCCTCATGGACGTCGT
AGCTATGAGGCGGGAAGTGAATATCCCGCCATCTGGAAGGAGCGTATGCTGACTGGGATGTAGTGTG
CAAGGCTTCGTATTCTGAGACAGAGAGTACGAATGGGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206051 representing NM_130452
 Red=Cloning site Green=Tags(s)

MHCAILKAEAVDGAHLMQIFWHDGAESLYPAVWLRDNCQCSDCYLHSAKARKLLLEALDVNIRIDDLTFD
 RKKVYITWPNHYSEFEANWLKRCFSQQARARLQGEFLPECQYWGSELQLPTLNFEDVLNDDHAYKW
 LSSLKKGIVRLTGAADKRGEI I KLGKRIGFLYLTFYGHWTQVQDKIDANNVAYTTGKLSFHTDYPALHH
 PPGVQLLHCIKQTVTGGDEIVDGFNVQCQLKEKNPQAFHILSSTFVDFTDIGVDYCDFSVQSKHKI I EL
 DDKGQVVRVNFNATRDVFDVPIERVQPFYAALKEFVDLMNSKEYKYTFKMNPGDVIITFDNWRLLHGRR
 SYEAGTEISRHLEGAYADWDVMSRLRILRQRVTNGN

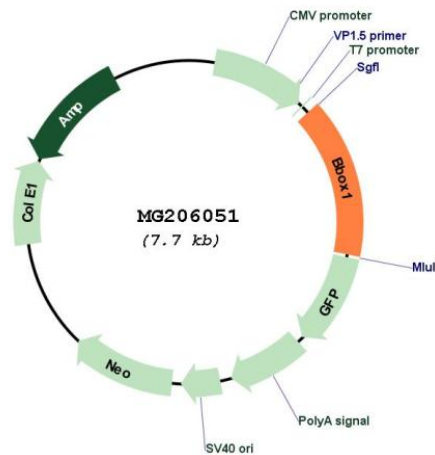
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_130452

ORF Size:	1161 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_130452.1 , NP_569719.1
RefSeq Size:	1642 bp
RefSeq ORF:	1164 bp
Locus ID:	170442
UniProt ID:	Q924Y0
Cytogenetics:	2 E3
Gene Summary:	Catalyzes the formation of L-carnitine from gamma-butyrobetaine.[UniProtKB/Swiss-Prot Function]