

Product datasheet for **MG207071**

BC021381 (BC021381) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BC021381 (BC021381) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BC021381
Synonyms:	MGC29235, MGC38018, MGC39032
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207071 representing BC021381 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGGGGGCACCCTGGGCGGGATCCCTGGGGAGCCTGCGGTGGACCACCGAGATGTGGATGAGCTGC
TGGAAATTCATCAACAGCACGGAGCCCAAAGTCCCCAACAGCGCCAGGGCTGCCAAGCGGGCCCGGCACAA
GCTGAAAAAGAAGGAAAAAGAGAAGGCTCGTTGGCCACAGAAGCTCTGAAGCAGGTGAATCGTGTTTCT
GGAAGCCAGGAGCCAAGGCTGCCAGGGAGAGGCTCCTAGAGTGGCTGACCAGGAAGTGGACCGCTCA
ATAGTTCCTTGTAGCAGCCGCTTGCAGGAGATCAAGAGCACTGTCAAGGACTCCCTCTGTGCCAGCCTGAG
TATGTGTGAGCTCAGCGTGGAGAGCAGTGGGTTAAGGAGGGGACTGTGGAAGCTCAGACCTCACTCCT
TCAGACCTCAGTGGCTCCTCTCAGAAACGGCTGACATCAACCTTGACCTGTCCCTTTGACCTTGGGTT
CCCCTCAGAGCCACACGTTACAAGCCCCAAGTGAACCAAGTCCCACCTTGGGCAGAAAGGAGAGACCTCA
CCCACCACCATGGACAGAGGTGAGGGGCCACCTCCTGGTATCCCTGAGAATGGGCTTGTGAGAAGACTC
AACACTGTGCCAACCTGTCCAGGGTGTCTGGGTCAAGACACCCAAGCCAGGCAACCCAAGCTCTGAGG
AAAGTTCAAAGGAAGTCCAGTTGCAACAGGAATTATCTGAGCCTGTGGCCACAGGTGGAAAGCCAAA
AAAGAGCAAGAGACAGGGAAGTCAAGCAAGAAGACTTTGGCAAGTCCAGCCCCCTGGTCCAGCAGCAAT
CTAGAGGCTTCCGGTGCCAAGAGCCAGGTATCTAGCCCCAAGCAGCCAGCAAGGCTCAGAGCCTGCCA
AAGTGGGCAGTGGTGCAGAACCTGGAGAGGGCAGTCCGGGAGCCGCCAGGACCAATTCAGGCTGACAG
CCCCAAAAGTACAAGAAGGGTGTCTCCTGGCAGAATTGGCCAGGTGGGCAAGGCACGGACTCTGGAG
CAGGAATCTGAGCAGACCCCTGGTCCAGCAAGGCCACAGAGCTTGTCCCAAGGCAAGGGCCGAGCCGCC
GGAGCCGAAACAAGCAGGAGAAGTCAAGCCTCCTCCTTGGACGATGTGTTCTGCCAAAGACTTGGATGG
GGTGGAGATGGATGAGACAGACCGAGAGGTGGAGTACTTCAAGAGGTTCTGTTTGGATTCTGCAAGCAA
ACTCGTCAGAAAGTTGCTGTGAAGTGGACCAACTTCAGCCTCAAGAAAACCACTCCTAGCACAGCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207071 representing BC021381
 Red=Cloning site Green=Tags(s)

MKGGTLGGIPGEPAVDHRDVDELLEFINSTEPKVPNSARAARARHKLKKKEKEKARLATEALKQVNRVS
 GSQEP RPARERLLEWPDQELDRVNSFLSSRLQEIKSTVKDSL CASLSMCELSVSSGFKEGTVEAQTLP
 SDLSGSSQKRPDINLDL SPL TLGSPQSH TLQAPSEPVPPWAERRDPHP PPWPTEVRGPPPGIPENGLVRRLL
 NTVPNLSRVIWVKTPKPGNPSSSEESSKEVPSCKQELSEPVATGGKPKKSKRQGSQAKKTLASPAPWSPAN
 LEASGAKSQVSSPKQPSKGSEPAKVGSGAEPGEGSPGSRPGPIQADSPKTDKKGSSWQNWPGGAKARTLE
 QESEQTPGPARPQSLSQGKGRSRRSRNKQEKSSASLDDVFLPKDL DGVEMDET DREVEYFKRFCLDSAKQ
 TRQKVAVNWNTNFS LKKTPSTAQ

TRTRPLE - GFP Tag - V

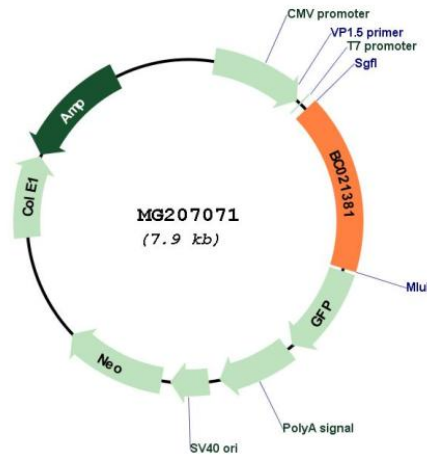
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC021381

ORF Size:	1331 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:	BC021381 , AAH21381
RefSeq Size:	1945 bp
RefSeq ORF:	1331 bp
Locus ID:	212483
Cytogenetics:	13 B1