

Product datasheet for **MG206577**

BC023179 (BC108353) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BC023179
Synonyms:	MGC37070
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG206577 representing BC108353
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCACATCCCAGGGCCCGGCTGGCCAGTGGAGCCCAATGGTGATTGTGGAGACTGCGGGTGGAGCCC
TGCCCCAGGTTTCCAGTATTCAGTGAAACCTGCCAACAGGAAGAGGACTGCTTATCCTTTGAGGATGT
GGCTGTGTAATCTCCTGGGAGGAATGGACACTGCTTGATGACTCTCAAAGGCTCCTGTACCAGACTGTG
ATGTCAGAGATCTTAACACTCATGTCTTTGGGACTTATACCTTCTGGGATCCATGAGATGACTCAGC
TGAAGTCTTGGGAGAGCCCTCTGTGCTGCGTTGAGATTCTGACTCCAGGTTGTTGGATCAAAGTGGA
CAGTGAAATGTACCCCTTTGAGCAGAGTCCGTCTGCAGAAGGTGCCAGGCCGTCCACCCTACAACAGCAC
ATGCTGTGCTGTGCTGAGACACCCGTGCTAAGCATGGACAATGTGATGATCCTCCAGACCTCCTCGGGTC
TTCTAAGGCATCAAGTACTTATAATGTTGGGATGCCCCATGAACATGGAGAGTGGAGAGGCCATTCA
GAGTGAGAAGAAGAACTGCATATGCAGTGAAGTGGCAAACTTTTACTAGCACATCCACCTCAATCGA
CACCGGATGATACACTGGAGAAAAGCCTTTTCAAGTGCAGCGAGTGTGGGATGTCTTACGCCAAAAAG
CCTTTCTTATTAAGCATCTCAGAAATCACACCGGAGAGAAGCCATTGAGGTGTGGGAGTGTGGCAAGC
CTTCAAGCATAATATCTCCCTCGTATCTCACCAGCGAGTTCACACAGGAGAGACGCCTTTTACCTGCACT
GAATGTGGGAAATCATATATGACCAGATCCAACCTTACACGTCACTTTCAAGTTTCACTGCTGCGGAGAAGC
CTTACAGTTGCAAGTGAATGTGGCAAGCATTAAAGGAGAAATCCAGCCTCATTATCATGCGAGAGTGCA
CACTCGAGAAAGGCCTTTTCAAGTGCAGCGAGTGTGGCAAGTCTTACGCCAAAAAGCCTTTTCTGTTAAG
CATTTCAAGAAATCACACCGGAGAGAAGCCATTGAGGTGCAGTGAAGTGTGGCAAACTTCAAGCACAAT
GCTTCCTTGTGCTCATCAGCGAGTTCACACAGGAGAGACACCTTTTACATGCACTGAATGTGGCAAGTC
ATACATGAACAGATCCAGCCTTTTATATCATTATCGGGTTCATACCGGAGAAAAGCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



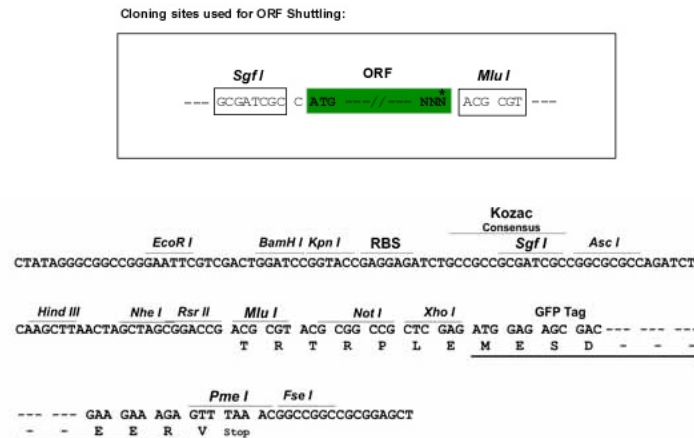
Protein Sequence: >MG206577 representing BC108353
Red=Cloning site Green=Tags(s)

MATSQGPAGQWSPMVIVETAGGALPQVSQYSVKPANQEEDCLSFEDVAVYFSWEEWTLDDSQRLLYQTV
MSEILTLMSLGLIPSGIHEMTQLKSWGEPSVPALRFLTPGCWIKVDSEMPFEQSPSAEGARPSTLQQH
MLCCAETPVLMDNVMLQTSSGLLRHQVTYNVGDAPNMESGEAIQSEKKNICSDCGKTFSTSHLNR
HRMIHTGEKPFQCEGMSFSQKAFLIKHLRIHTGEKPFRCGECGKAFKHNISLVSHQVRVHTGETPFTCT
ECGKSYMTRSNLTRHFQVHAAEKPYSCSECGKAFKEKSSLIYHARVHTRERPFQCEGKSFQKAFVLK
HFRIHTGEKPFRCSECGKTFKHNCFLVAHQVRVHTGETPFTCTCEGKSYMNRSSLLYHYRVHTGEKP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC108353

ORF Size: 1248 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC108353](#), [AAI08354](#)

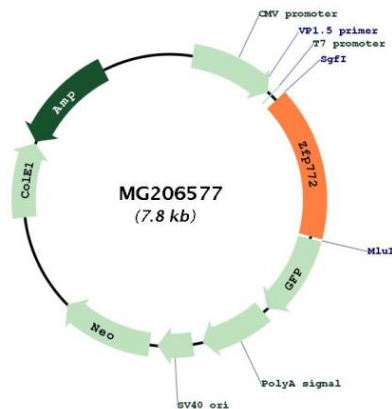
RefSeq Size: 1703 bp

RefSeq ORF: 1250 bp

Locus ID: 232855

Cytogenetics: 7 A1

Product images:



Circular map for MG206577