

Product datasheet for **MG209405**

LOC626578 (BC114209) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC626578 (BC114209) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LOC626578
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209405 representing BC114209
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCAACCACAAATGGCTCCCATTTGCCTTGTGAAAACCACAATGAACAGCTGTCAGTGAACCAGG
 AAGCCATAGAGATTCTGGACAAGATTTCTCAGCCAGTGGTAGTCGTGGCTATTGTTGGATGGTCCCGTAC
 TGGGAAGTCTATTTGATGAAGTGTCTGGCGGGACAGAATCACGGCTTCCTCTGGGCTCCACTGTGCAG
 TCTCAAACCAAGGGCATCTGGATGTGGTGCATGCCACACCCACCAAGCCAGAGCACACCTGGTCTCC
 TGGACACCGAGGGCTGGGGATGTGAAAAGGGTGATCCTAAGAAGCACTTGTGGATCTTGGCCCTCAG
 TGTGCTTCTGAGCAGCCTTCATCTACAACAGCATGATCACCATCAACCACCAGGCCCTGGAGCAGCTG
 CATTATGTCACAGAACTCACAGAGCTGATCAGAGCAAAGTCTTCCCAAATCCTGCTGGAATAAAGAATT
 CCACAGAGTTTGTGAGTTTCTTCCAGACTTTGTCTGGATTGTTGGGATTTTCATGCTGGAGCTGAAGTT
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 AGAATGCAAGCATCCAATTCATGCAGGGAATGCATCAGACTTTTCTTTCTAACCAGGAAGTGTTCGTCT
 TTGACCGGCCAACGCATGACAAAGAACTTTTACAAAACTTGATTCTATCACAGAAGACCAACTGGATCC
 TAAATTCAGGAAGTAACAAAGGCTTTTGTTCCTTACATCTTCACTTATGCCAAGATCAAGACCTAAAA
 GAGGGAATTAAGGTCACTGGGAATAAAGTAGGGATTCTGGTGACAACCTATGTGGATGCCATCAACAGTG
 GAGCAGTGCCCTTGTCTGGATGATGCTGTGACAACCTCTGGCCAGCGTGAGAACTCAGTAGCTGTGCAGAA
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 ACATTTTTTGTTCCTTGTGGACACAAGCTTTACATGGACAAGAGGAGAAGATTGAGCATGACTACTGGC
 AGGTTCCAGGAAGGGGTGAAGGCAAGTGAAGTCTTCCAGAGCTTTCTGCAGTCACAGGCCTTCATCGA
 GAGTTCATCTTGCAGGCAGATACAGCGCTCACTGCTGGGAAGAAGGCCATTGCAGAGGAGCGTGCCAG
 AAGGTGGCGGCAGAGAAGGAGCAGGATCTGCTAAGACAGAAGCAGAAGGAGCAGCAGGAGTATATGGAGG
 CTCAAGAGAAAAGTCACAAGGAAAACCTAGAGCAACTGAGGAGAAAGCTGATGCAGGAGAGAGAGCAGCT
 CATCAAGACCATAACATGATGTGAAGAAGCAGCTGAAGGATCAAAAGGCTTTCTTGAAGGAGATT
 AAGAAGAAAGCTGAGGAAATGAACAAAGAGATACAGCAACTGAGAGATGTCATCAAGGATAAGAAAAGAA
 ACACTGATCGAATTAAGGATGCTCTCTTAATGGATTTTCTACAGTTCTTTTCATTACCTGTCCGTTA
 TCTAAAGCATTTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

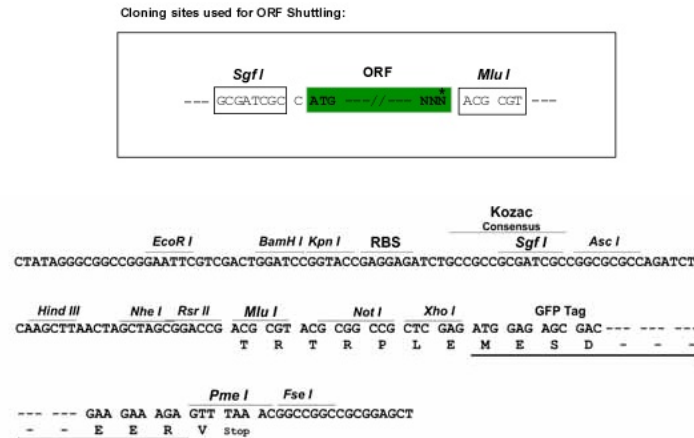
>MG209405 representing BC114209
 Red=Cloning site Green=Tags(s)

MTQPQMAPICLVENHNEQLSVNQEAIEILDKISQPVVVVAIVGWSRTGKSYLMNCLAGQNHGFLPGSTVQ
 SQTKGIMWCMHPHTKPEHTLVLLDTEGLGDVEKGDPKNDLWIFALSVLLSSTFIYNSMITINHQAELQ
 HYVTELTTELIRAKSSPNPAGIKNSTEFVSFFPDFVWIVRDFMLELKLNGEDITSDDYLENALKLIPGDKP
 RMQASNSCRECIRLFFPNRKCFFDRPTHDKELLQKLDSITEDQLDPKFQEVTKAFVSYIFTYAKIKTLK
 EGIKVTGNKLGILVTTYVDAINSAGVPCLDVAITLAQRENSVAVQKAADHYSEQMAQRLRLPTETLQEL
 LDVHAACEKEAMAVFMEYSFKDENQQFLKKLVELIGENKELFLSKNEEASNKYCQEELDRLSKDFMENIS
 TFFVPCGHKLMDKREKIEHDYWQVPRKGVKASEVFQSFQSAFIESSILQADTALTAGKKAIAEERAQ
 KVAAEKEQDLLRQKQKEQQEYMEAEQKSHKENLEQLRRKLMQEREQLIKDHNMLKKQLKDQKAFLEEGF
 KKAKEEMNKEIQQLRDVIKDKRNTDRIKDALLNGFSTVLFHLYLVRYLKLH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC114209

ORF Size: 1833 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: [BC114209.1](#)

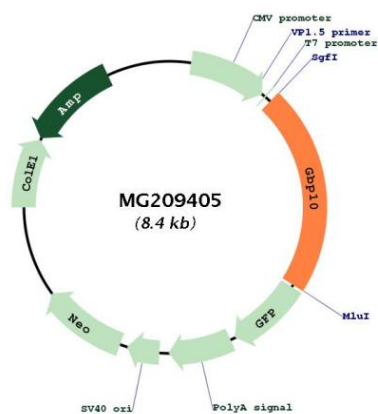
RefSeq Size: 2631 bp

RefSeq ORF: 1835 bp

Locus ID: 626578

Cytogenetics: 5 E5

Product images:



Circular map for MG209405