

Product datasheet for **MG215373**

Gm1123 (NM_001080776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gm1123
Synonyms:	AV052824; CLSP
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215373 representing NM_001080776
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGTTCCTGCTGGGCTTCTGTTCTGTTGGAGTACCGGATCACATTGGGAGTGTGAGCATCACTA
CTCCAGAGCAGACAATTCAGGAAGTCCAAGGGGAACTGTCCATCTGCCCTGCATGTTCACTCTTAGCCC
TGAGGACCAAGGACCGTTGGACATTGAGTGGCTTCGGCTTTCAGGACCTAATAATGAGGCGATGGACCAT
GTGATTATTTGTATGCTGTAGATAAAATTTATCTGACTTCTATCAAGATATGAGAGGGCGAGTGAATT
TTACAAGTAATGGTATCAGTCTGGCGAAGCGTCCATAAAAAAAGAGATGTTTCAGCCTGCAGACAGTGG
CACCTACCTGTGCAAAGTGAAGACAGCCCTGGTGTGCAAAGACAACCGTTTCAGCTGACAGTTGTTGAT
TACATTGGGAGTGTGAGCATCACTACTCCAGAGCAGACAATTGAGAAAGACCAAGGGGAACTGTCCATC
TGCCCTGCATGTTACCTTTATCTCCAAGGACCAAGGACCGTTGAACATCGAGTGGCTTCGGCTTTCAGG
ACCTAATAATGAAGCGATGGACCATGTGGTTATTTTATATTCTGCAGACAAAATTCATGACGACGTCTAT
CCAGATCTAAAAGGACGAGTGTATTTACAAGTAATGATATCAAGTCTGGTGTGATGCATCCATAAAATATA
CAATGTCCAGCTCTCGGATGCTGGCACTTATCAGTGAAGGTGAAACATACCCTGGCACTGTCAACAG
GAACCTCCAGCTGGCTGTCACTGATCACATTGGGAGTGTGAGCATCACTACTCCAGAGCAGACAATTGAG
AAAGCCCGAGGGGAACTGTCCATCTGCCCTGCACGTTACCCCTTAGCCCTGAGGACCATGGACCACTGT
TCATTGACTGGATGCAGCTTACTGGACCTCAAAATGAGGTGGTGAACCGCATGTTTATTGTATTTAGC
AGACAAGATTTACGACAACCTTCTATCAAGATATGAAAGGACGTGTGCAATTTACAAGTAATGACATCAGG
TCTGGTGGAGCATCTATAAATAAAGTATGATGCTCGGCTCTCTGACGCTGGCACCTATCAGTGTGGAGTGT
CCCATGCCCTTGGTACTGCCAAGGGACCATTCAGCTGACAGTTGTTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215373 representing NM_001080776
 Red=Cloning site Green=Tags(s)

MVFLLGFLFCGVTDHIGSVSITTPPEQTIQEVQGETVHLLPCMFTLSPEDQGPLDIEWLRLSGPNNEAMDH
 VIILYAVDKIYSDFYQDMRGRVNFSTNGITSGEASIKIRDVQPADSGTYLCKVKTAPGVAKTTVQLTVVD
 YIGSVSITTPPEQTIKQDQGETVHLLPCMFTFISKDQGPLNIEWLRLSGPNNEAMDHVILYSADKIHDDVY
 PDLKGRVYFTSNDIKSGDASINITNVQLSDAGTYQCKVKTYPGTVNRNLQLAVTDHIGSVSITTPPEQTIQ
 KARGETVHLLPCTFTLSPEDHGPLFIDWMQLTGPQNEVVNRMFIVYLLADKIYDNFYQDMKGRVQFTSNDIR
 SGEASINITDARLSDAGTYQCGVSHAFGTAKGTIQLTVVG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080776

ORF Size: 1170 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: [NM_001080776.1](#), [NP_001074245.1](#)

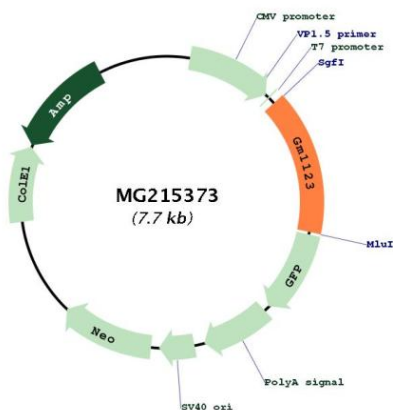
RefSeq Size: 1337 bp

RefSeq ORF: 1173 bp

Locus ID: 382097

Cytogenetics: 9 E3.3

Product images:



Circular map for MG215373