

Product datasheet for **MG214956**

H2-T9 (NM_010399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	H2-T9
Synonyms:	H-2T9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214956 representing NM_010399
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCTGGGTCCTCAGGGCGGCTGTGGTCTGCGCCCTTCTCTGCAGCTGGATGCCAGACCATCTGGA
CTCGGATCCCTTTGGGTTACACTCGCTTAGGTATTTCTACACCGCTGTGTCCCGGCCTGGCCTTGGGGA
GCCCTGGTTCATAATCGTCGGCTATGTGGACGACATGCAGGTCCTGCTTTCAGCAGCAAGGAGGAGACT
CCGAGGATGGCACCCCTGGCTGGAGCAGGAGGAAGCAGGTGACTGGGAGCAGCAGACTCGTATAGTCACAA
TTCAAGGACAGCTGTCTGAAAGGAATCTGATGACCCTGGTTCATTTTACAACAAGAGCGTGGACGACTC
TCACACACTACAGTGGCTGCAAGGCTGCGATGTGGAGCCAGATCGGCACCTGTGTCTCTGGTACAACCAG
CTCGCCTATGATAGCGAGGATCTCCACACCCTGAACGAAAACCCAAGTTCCTGTACAGTGGGAAACAGCA
CTGTACCTCACATCTCTCAGGACCTGAAGAGCCACTGCTCAGATCTGCTGCAGAAATACCTGGAAAAAGG
GAAGGAGAGGCTGCTGCGTTCAGAACCCCAAGGCACATGTGACCCATCACCCAGACCTGCAGGTGAT
GTCACCCCTGAGGTGCTGGGCCCTGGGCTTCTATCCTGCTGACCTCACCCCTGACCTGGCAGAAGGATGGGG
AGGAGCTGACCCAGGACATGGAGTTGTAGAGACCAGGCTGCAGGGGATGGAACCTTCAGAAGTGGGC
AGCTGTGGTGGTGCCTCTTGGGAAAGAGCAGAGTTACACATGCCATGTGTACCATGAGGGGCTGCCTGAG
CCCCTCACCTGAGATGGGAGCCTGCATGGTACCAAAAAGCCTTGGATTTGGATTGTTGCCATGGTTTCA
TTTTGCTCATCTTTGTCTCTGTGTGGTTTGCATATGCATGAAGAAGAATGCAGGTGGGAGAGGAAGCGG
TGACACCCAAGAAGCAGGCAGAGACAGTCCCCAAGACTCTAGCAAGACTGTTGTGGATGATGAGGAGATG
GGGTTTGGCTTTTGAAGATTAAGTACTGTAAGACTTGTCTAGGCCACTCCCAGGAACTTCAGTTGGCC
AGTCTTTACTGTACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214956 representing NM_010399
 Red=Cloning site Green=Tags(s)

MSWVLRAAVVCALLQLDARPSWTRIPLGSHSLRYFYTAVSRPGLGEPWFIIIVGYVDDMQVLLFSSKEET
 PRMAPWLEQEEAGDWEQQTRIVTIQQLSERNLMTLVHFNKSVDDSHLQWLQGCDEVPRHLCLWYNQ
 LAYDSEDLHTLNENPSSCTVGNSTVPHISQDLKSHCSDLLQKYLEKGKERLLRSEPPKAHVTHHPRPAGD
 VTLRCWALGFYPADLTLTWQKDGEELTQDMEFVETRPAGDGTGKWAAVVPLGKEQSYTCHVYHEGLPE
 PLTLRWEPAWYQKPWIWIVAMVFILLIICLCVVICMKKNAGGRGRRDTEAGRDSPOSSKTVVDEEM
 GVCFWKIKYCKTCLGHSPGTSVGESLLSP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010399

ORF Size: 1137 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_010399.2](#), [NP_034529.1](#)

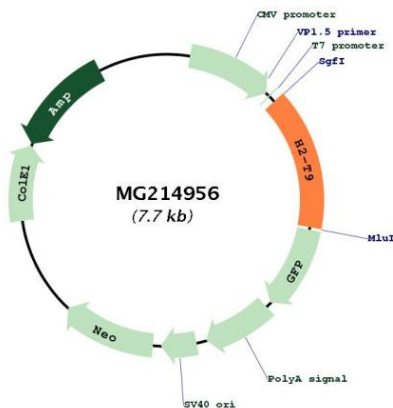
RefSeq Size: 1639 bp

RefSeq ORF: 1140 bp

Locus ID: 15051

Cytogenetics: 17

Product images:



Circular map for MG214956