

## Product datasheet for **MG221276**

### H2-Q2 (NM\_010392) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	H2-Q2 (NM_010392) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	H2-Q2
Synonyms:	BE136769; ENSMUSG00000079507; Gm11132; gs14-2; H-2Q2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221276 representing NM_010392 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGCGAAGGCTGCTCCTGCTGTTGGTGGCCGCCCTGAACTGACTGAGACACGCGCGGGCTCAC  
ACTCGTGCGGTATTTACCACCCCGGTGTCCCGGCTGGCTCGGGGAGCCCGGTTTATTATCGTCGG  
CTACGTGGACGACACGCAGTTCGTGCGCTTCGACAGCGACCGGAGAATCCGAGGATGGAGCCGCGGGCG  
CCGTGGATGGAGCAGGAGGGCCGGAGTATTGGGAGCGGAACACACAGGTCTCCAAGGAAAATGAGCAGA  
GTTTCCGAGTGAGCCTGGGACCGCACTGAGCTACTACAACCAGAGCAAGGGAGGCTCTCACACTCTCCA  
GTGGTTGGTTGGCTGTGACCTGGGGCCAGACGGAAGCCTACTCCGAGGGTATGAGCAGTCTGCCTACGAT  
GGCCGCGATTACCTCGCCCTGAATGAGGATCTGATAACGTGGACAGCGCGGACCTGGCAGCACTGAAGA  
CCCGAAGCAAGTTGGAGCAGGCTGGTCTTGACAGAGAAGCGCAGGGCTACCTGGAGGTCGATTGCTTGAC  
GTGGCTCCGCAGATACCTGGAGCTCGGGAAGGAGACGCTGCTGCACACAGATCCCCAAAGGCGCATGTG  
ACCCATCACCCAGTTCTCAAGGTGATGTCACCTGAGGTGCTGGGCCCTGGGCTTCTACCTGCTGACA  
TACCCCTGACCTGGCAGTTGAATGGGGAGGACCTGACCCAGGACATGGAGCTTGAGAGACCAGGCTTC  
AGGGATGGAACCTCCAGAAGTGGGCATCTGTGATGGTGCCCTTTGGGGAGGAGCCTAGATACACATGC  
CATGTGGAACATGAGGGCTGCCTGAGCCCTCACCTGAGATGGGAGCCTCCTCCATCCACTGACTCTT  
ACATGGTGATCATTGCTGTTCTGTTGCTTGGAGCTGTGATCATCATTGGAGCTGTGGTGGCTTTTGT  
GATGAAAAGAGGGAGAAACACAGGTGAAAAGTAAAGACTACGCTCAAGATCCAGGCAGGGACAGCCCC  
CAGAGCTCTGATATCTCTCTCTAGAAATTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221276 representing NM\_010392  
 Red=Cloning site Green=Tags(s)

MALRRLLLLLVAALKLTETRAGSHSLRYFTTAVSRPGLGEPRFIIIVGYVDDTQFVRFSDAENPRMEPRA  
 PWMEQEGPEYWERNQVSKENEQSFVSLGTALSYYNQSKGGSHTLQWL VGCDLGPDGSLLRGYEQSAID  
 GRDYLAALNEDLITWTAADLAALKTRSKLEQAGLAEKRRAYLEVDCLTWLRRYLELGKETLLHTDPPKAHV  
 THHPSSQGDVTLRCWALGFYPADITL TWQLNGEDLTQDMELVETRPSGDGTFQKWASVMVPFGEEPRTYC  
 HVEHEGLPEPLTLRWEPPPSTDSYMVIIAVLVVLGAVIIIGAVVAFVMKRGRNTGGKVRDYAQDPGRDSP  
 QSSDISLLEL

TRTRPLE - GFP Tag - V

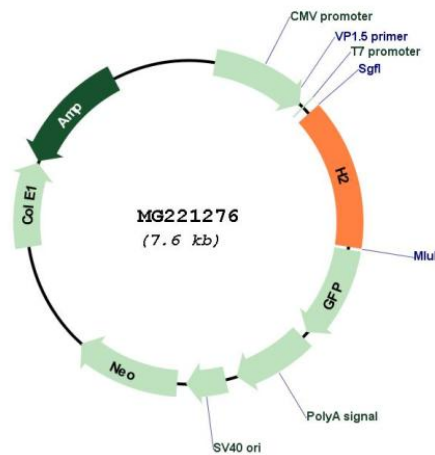
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_010392

<b>ORF Size:</b>	1080 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_010392.3</a>
<b>RefSeq Size:</b>	1100 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	15013
<b>Cytogenetics:</b>	17 18.64 cM