

Product datasheet for **MG216605**

H2-Q8 (NM_023124) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	H2-Q8
Synonyms:	H-2Q8; MMS10-T; Ms10t; Qa-2; Qa-8; Qa8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216605 representing NM_023124
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCTAACAACGCTGCTCTTGCTGGTGGCGCCGCCCTGACCCTGATCGAGACCCGCGGGGCCAC
ACTCGTGCCTGTTCCACACTGCTGTGCTGGCCCGCCCTCGTGGAGCCCCGGTTCAATTATCGTCGG
CTACGTGGACGACACGCAGTTCGTGCGCTTCGACAGCGACGCGGAAAATCCGAGGATGGAGCCGCGGGCG
CGGTGGATGGAGCAGGAGGGGCCGGAGTATTGGGAGCGGGAGACAGAAAGCCAAGGGCCATGAGGAGA
GTTTCCGAGTGAGCCTGAGGACCGCACAGAGATACTACAACCAGAGCAAGGGCGGCTCTCACACTCCA
GTGGATGTATGGCTGTGACGTGGGGTCCGACGAGCGCCTCCTCCGCGGGTACCTGCAGTTCGCCTATGAA
GGCCGCGATTACATCGCCCTGAACGAAGACCTGAAAACCTGGACGGCGCGGACATGGCTGCACAGATCA
CCCTACACAAGTGGGAGCAGGCTGGTATTGCAGAGAGACCGGGCCTACCTGGAGGGCGCTTTCGTGCA
GTCGCTCCGCAGATACCTGCAGCTCCGGAAGGAGACGCTGCTGTGCACAGATCCCCAAAGGCACATGTG
ACCCATCACCCAGGTCTTATGGTGTGTACCCTGAGGTGCTGGGCCCTGGGCTTCTACCTGTGACA
TCACCCTGACTTGGCAGTTGAATGGGAGGAGCTGACCAGGACATGGAGCTTGTGGAGACCAGGCTGC
AGGGGATGGAACCTTCCAGAAGTGGCATCTGTGGTGGTGCCTCTTGGGAAGGAGCAGAATTACACATGC
CATGTGAACCATGAGGGGCTGCCTGAGCCTCTCACCTGAGATGGGAGCCTCCTCCATCCACTGTCTCCA
ACATGGCGAACGTAGCTATTCTGTTGTCCTGTAGCTTGGCCATCATTGGAGCTGTGGTGGATTTTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216605 representing NM_023124
 Red=Cloning site Green=Tags(s)

MALTTLLLLVAAALTLIETRAPHSLRYFHTAVSWPGLVEPRFIIIVGYVDDTQFVRFSDAENPRMEPRA
 RWMEQEGPEYWERETQKAKGHEESFRVSLRTAQRYYNQSKGGSHLQWMYGCDVGSDELLRGYLQFAYE
 GRDYIALNEDLKTWTAADMAAQITLHKWEQAGIAERDRAYLEGACVQSLRRLQLRKETLLCTDPPKAHV
 THHPRSYGAVTLRCWALGFYPADITLWQLNGEELTQDMELVETRPAGDGTFFQKASVVVPLGKEQNYTC
 HVNHEGLPEPLTLRWEPPPSTVSNMANVAILVVLVAWPSLELWWIL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_023124

ORF Size: 978 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_023124.5](#), [NP_075613.3](#)

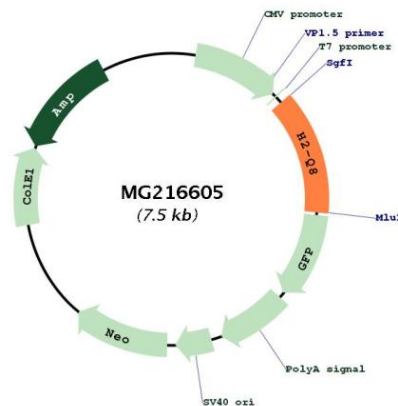
RefSeq Size: 1183 bp

RefSeq ORF: 981 bp

Locus ID: 15019

Cytogenetics: 17

Product images:



Circular map for MG216605