

Product datasheet for MR216605

H2-Q8 (NM_023124) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2-Q8 (NM_023124) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	H2-Q8
Synonyms:	H-2Q8; MMS10-T; Ms10t; Qa-2; Qa-8; Qa8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216605 representing NM_023124 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCTAACACGCTGCTCTTGCTGGTGGCGGCCCTGACCCTGATCGAGACCCGCGGGGCCAC
ACTCGCTGCGGTATTTCCACACTGCTGTGTCTGGCCCGCCTCGTGGAGCCCGGTTTATTATCGTCGG
CTACGTGGACGACACGCAGTTCGTGCGCTTCGACAGCGACCGGAAAATCCGAGGATGGAGCCGCGGGC
CGGTGGATGGAGCAGGAGGGCCGGAGTATTGGGAGCGGAGACACAGAAAGCCAAGGGCCATGAGGAGA
GTTTCCGAGTGAGCCTGAGGACCGCACAGAGATACTACAACCAGAGCAAGGGCGGCTCTCACACTCCA
GTGGATGTATGGCTGTGACGTGGGGTCCGACGAGCGCCTCCTCCGCGGGTACCTGCAGTTGCGCTATGAA
GGCCGCGATTACATCGCCCTGAACGAAGACCTGAAAACCTGGACGGCGGCGGACATGGCTGCACAGATCA
CCCTACACAAGTGGGAGCAGGCTGGTATTGAGAGAGAGACCGGGCCTACCTGGAGGGCGCTTGCCTGCA
GTGCTCCGAGATACCTGCAGCTCCGGAAGGAGACGCTGCTGTGCACAGATCCCCAAAGGCACATGTG
ACCCATCACCCAGGTCTTATGGTGCTGTACCCTGAGGTGCTGGGCCCTGGGCTTCTACCTGCTGACA
TCACCCTGACTTGGCAGTTGAATGGGGAGGAGCTGACCCAGGACATGGAGCTTGTGGAGACCAGGCTGC
AGGGATGGAACCTTCCAGAAGTGGCATCTGTGGTGGTGCCTCTGGGAAGGAGCAGAATTACACATGC
CATGTGAACCATGAGGGGCTGCCTGAGCCTCTCACCTGAGATGGGAGCCTCCTCCATCCACTGTCTCCA
ACATGGCGAACGTAGCTATTCTGTTGTCTTGTAGCTTGCCATCATTGGAGCTGTGGTGGATTTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216605 representing NM_023124
Red=Cloning site Green=Tags(s)

MALTTLLLLVAAALTLIETRAGPHSLRYFHTAVSWPGLVEPRFIIIVGYVDDTQFVRFDSDAENPRMEPRA
 RWMEQEGPEYWERETQKAKGHEESFRVSLRTAQRYYNQSKGGSHTLQWMYGCDVGS DERLLRGYLQFAYE
 GRDYIALNEDLKTWTAADMAAQITLHKWEQAGIAERDRAYLEGACVQSLRRYLQLRKETLLCTDPPKAHV
 THHPRSYGAVTLRCWALGFYPADITLTWQLNGEELTQDMELVETRPAGDGTFFQKWASVVVPLGKEQNYTC
 HVNHEGLPEPLTLRWEPPPSTVSNMANVAILVVLVAWPSLELWWIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9057_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

RefSeq: [NM_023124.5](#), [NP_075613.3](#)

RefSeq Size: 1009 bp

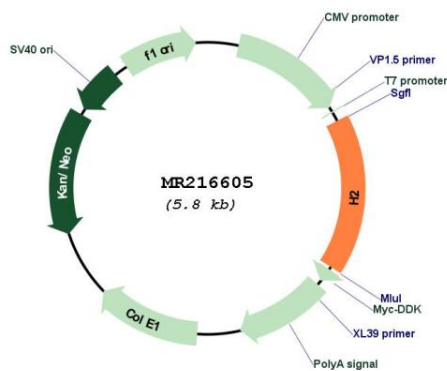
RefSeq ORF: 981 bp

Locus ID: 15019

Cytogenetics: 17

MW: 37.4 kDa

Product images:



Circular map for MR216605