

## Product datasheet for MC226352

### H2-Q7 (NM\_001198561) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** H2-Q7 (NM\_001198561) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** H2-Q7  
**Synonyms:** H-2Q7; Ped; Q9; Qa-2; Qa-7; Qa7  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226352 representing NM\_001198561  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTAACAATGCTGCTCTTGCTGGTGGCGGCCCTGACCCTGATCGAGACCCGCGGGCCAAC  
 ACTCGTGCATATTTCCACACCGCTGTGTCCCGCCCGCCCTCGGGAGCCCTGGTTCATCTCTGTCGG  
 CTACGTGGACGACACGCAGTTTCGTGCGCTTCGACAGCGATGCGGAAAATCCGAGGATGGAGCCGCGGGCG  
 CGGTGGATGGAGCAGGAGGGCCGGAGTATTGGGAGCGGGAGACACAGATCGCCAAGGGCCATGAGCAGA  
 GTTTCCGAGGGAGCCTGAGGACCGCACAGAGCTACTACAACCAGAGCAAGGGCGGCTCTCACACTCCA  
 GTGGATGTATGGCTGTGACATGGGGTCCGACGGCGCCTCCTCCGCGGGTACCTGCAGTTCGCCTATGAA  
 GGCCGCGATTACATCGCCCTGAACGAAGACCTGAAAACGTGGACGGCGGTGGACATGGCGGCACAGATCA  
 CCCGACGCAAGTGGGAGCAGGCTGGTATTGCAGAGAAAGACCAGGCTACCTGGAGGGCACGTGCATGCA  
 GTCGCTCCGACAGTACCTGCAGCTCGGGAAGGAGACGCTGCTGCGCACAGGTGGACAAGGAGGGGACTGT  
 GCTCCAGCTCCAGCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001198561  
**Insert Size:** 648 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001198561.1</a></u> , <u><a href="#">NP_001185490.1</a></u>
<b>RefSeq Size:</b>	1134 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	15018
<b>Cytogenetics:</b>	17 18.67 cM
<b>Gene Summary:</b>	<p>Involved in the presentation of foreign antigens to the immune system.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks two alternate exons in the 3' coding region resulting in a frameshift, compared to variant 1. The resulting isoform (3) has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>