

Product datasheet for MC226952

H2-Q7 (NM_001198560) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2-Q7 (NM_001198560) 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:	>MC226952 representing NM_001198560 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCTAACAATGCTGCTCTTGCTGGTGGCGGCCCTGACCCTGATCGAGACCCGCGGGCCAAC
ACTCGTGCATATTTCCACACCGCTGTGTCCCGCCCGCCTCGGGAGCCCTGGTTCATCTCTGTCGG
CTACGTGGACGACACGCAGTTCGTGCGCTTCGACAGCGATGCGGAAAATCCGAGGATGGAGCCGCGGGCG
CGGTGGATGGAGCAGGAGGGCCGAGTATTGGGAGCGGAGACACAGATCGCCAAGGGCCATGAGCAGA
GTTTCCGAGGGAGCCTGAGGACCGCACAGAGCTACTACAACCAGAGCAAGGGCGGCTCTCACACTCCA
GTGGATGTATGGCTGTGACATGGGGTCCGACGGGCGCCTCCTCCGCGGTACCTGCAGTTCGCCTATGAA
GGCCGCGATTACATCGCCCTGAACGAAGACCTGAAAACGTGGACGGCGGTGGACATGGCGGCACAGATCA
CCCAGCAAGTGGGAGCAGGCTGGTATTGCAGAGAAAGACCAGGCTACCTGGAGGCACGTGCATGCA
GTCGCTCCGACAGATACCTGCAGCTCGGGAAGGAGACGCTGCTGCGCACAGATCCCCAAAGGCACATGTG
ACCCATACCCCAGGTCTTATGGTGTGTACCCTGAGGTGCTGGGCCCTGGGCTTCTACCCTGCTGACA
TCACCCGACTTGGCAGTTGAATGGGAGGAGCTGACCCAGGACATGGAGCTTGTGGAGACCAGGCTGC
AGGGGATGGAACCTTCCAGAAGTGGCATCTGTGGTGGTCCCTTGGGAAGGAGCAGAATTACACATGC
CATGTGAACCATGAGGGCTGCCTGAGCCCTTACCCTGAGATGGGGGAGATGGGGTGGACAAGGAGGGG
ACTGTGCTCCAGCTCCAGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001198560
Insert Size:	933 bp



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OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001198560.1</u> , <u>NP_001185489.1</u>
RefSeq Size:	1419 bp
RefSeq ORF:	933 bp
Locus ID:	15018
Cytogenetics:	17 18.67 cM
Gene Summary:	<p>Involved in the presentation of foreign antigens to the immune system.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region resulting in a frameshift, compared to variant 1. The resulting isoform (2) 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>