

Product datasheet for MR228563

H2-Q7 (NM_001198561) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2-Q7 (NM_001198561) Mouse Tagged ORF Clone
Tag: Myc-DDK
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
ORF Nucleotide Sequence: >MR228563 representing NM_001198561
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCTAACAATGCTGCTCTTGCTGGTGGCGGCCGCCCTGACCCTGATCGAGACCCGCGGGCCAAC
 ACTCGCTGCAATATTTCCACACCGCTGTGTCCCGCCCGGCCCTCGGGAGCCCTGGTTCATCTCTGTCGG
 CTACGTGGACGACACGCAGTTCGTGCGCTTCGACAGCGATGCGGAAAATCCGAGGATGGAGCCGCGGGCG
 CGGTGGATGGAGCAGGAGGGCCGGAGTATTGGGAGCGGGAGACACAGATCGCCAAGGGCCATGAGCAGA
 GTTTCCGAGGGAGCCTGAGGACCGCACAGAGCTACTACAACCAGAGCAAGGGCGGCTCTCACACTCCA
 GTGGATGTATGGCTGTGACATGGGGTCCGACGGGCGCCTCCTCCGCGGGTACCTGCAGTTCGCCTATGAA
 GGCCGCGATTACATCGCCCTGAACGAAGACCTGAAAACGTGGACGGCGGTGGACATGGCGGCACAGATCA
 CCCGACGCAAGTGGGAGCAGGCTGGTATTGCAGAGAAAGACCAGGCTACCTGGAGGCACGTGCATGCA
 GTCGCTCCGAGATACCTGCAGCTCGGGAAGGAGACGCTGCTGCGCACAGGTGGACAAGGAGGGGACTGT
 GCTCCAGCTCCAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR228563 representing NM_001198561
 Red=Cloning site Green=Tags(s)

MAL TML LLL VAAAL TLIETRAGQHSLQYFHTAVSRPGLGEPWFISVGYVDDTQFVRFDSDAENPRMEPRA
 RWMEQEGPEYWERETQIAKGHEQSFRRSLRTAQSYYNQSKGGSHTLQWMYGCDMGSDGRLLRGYLQFAYE
 GRDYIALNEDLKTWTAVDMAAQITRRKWEQAGIAEKDQAYLEGTQMQLRRYLQLGKETLLRTGGQGGDC
 APAPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

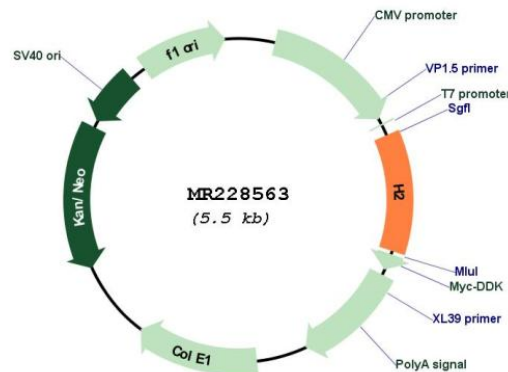
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001198561

ORF Size: 645 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:	<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:	NM_001198561.1 , NP_001185490.1
RefSeq Size:	1134 bp
RefSeq ORF:	648 bp
Locus ID:	15018
Cytogenetics:	17 18.67 cM
MW:	24.8 kDa
Gene Summary:	Involved in the presentation of foreign antigens to the immune system.[UniProtKB/Swiss-Prot Function]