

Product datasheet for MR229163

H2-Q7 (NM_001198560) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2-Q7 (NM_001198560) 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: >MR229163 representing NM_001198560
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTCTAACAATGCTGCTCTTGCTGGTGGCGGCCCTGACCCTGATCGAGACCCGCGGGCCAAC
 ACTCGCTGCAATATTTCCACACCGCTGTGTCCCGCCCGCCTCGGGGAGCCCTGGTTCATCTCTGTCGG
 CTACGTGGACGACACGCAGTTTCGTGCGCTTCGACAGCGATGCGGAAAATCCGAGGATGGAGCCGCGGGCG
 CGGTGGATGGAGCAGGAGGGCCGGAGTATTGGGAGCGGAGACAGATCGCCAAGGGCCATGAGCAGA
 GTTCCGAGGGAGCCTGAGGACCGCACAGAGCTACTACAACCAGAGCAAGGGCGGCTCTCACACTCCA
 GTGGATGTATGGCTGTGACATGGGGTCCGACGGCGCCTCCTCCGCGGTACCTGCAGTTCGCCTATGAA
 GGCCGCGATTACATCGCCCTGAACGAAGACCTGAAAACGTGGACGGCGGTGGACATGGCGGCACAGATCA
 CCCGACGCAAGTGGGAGCAGGCTGGTATTGCAGAGAAAGACCAGGCTACCTGGAGGCACGTGCATGCA
 GTCGCTCCGACAGATACCTGCAGCTCGGAAGGAGACGCTGCTGCGCACAGATCCCCAAAGGCACATGTG
 ACCCATCACCCAGGCTTATGGTGTGTACCCTGAGGTGCTGGGCCCTGGGCTTCTACCCTGCTGACA
 TCACCCGACTTGGCAGTTGAATGGGAGGAGCTGACCCAGGACATGGAGCTTGTGGAGACCAGGCTGC
 AGGGGATGGAACCTTCCAGAAGTGGCATCTGTGGTGGTCCCTTGGGAAGGAGCAGAATTACACATGC
 CATGTGAACCATGAGGGCTGCCTGAGCCCTTACCCTGAGATGGGGGAGATGGGGTGGACAAGGAGGGG
 ACTGTGCTCCAGCTCCAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229163 representing NM_001198560
 Red=Cloning site Green=Tags(s)

MAL TML LLL VAAAL TLIETRAGQHSLQYFHTAVSRPGLGEPWFISVGYVDDTQFVRFDSDAENPRMEPRA
 RWMEQEGPEYWERETQIAKGHEQSFGRSLRTAQSYYNQSKGGSHTLQWMYGCDMGSDGRLLRGYLQFAYE
 GRDYIALNEDLKTWTAVDMAAQITRRKWEQAGIAEKDQAYLEGTQMQLRRYLQLGKETLLRTPPKAHV
 THHPRSYGAVTLRCWALGFYPADITLTWQLNGEELTQDMELVETRPAGDGTFFQKVASVVVPLGKEQNYTC
 HVNHEGLPEPLTLRWGRWGGQGGDCAPAPA

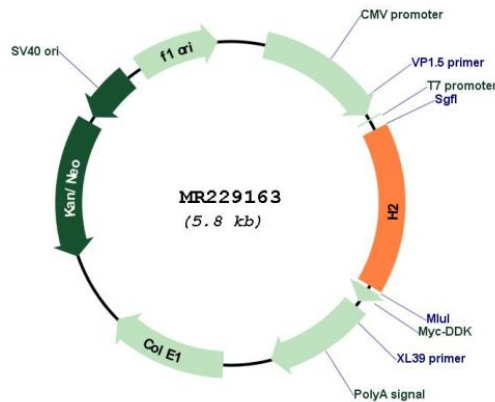
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001198560

ORF Size: 930 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_001198560.1 , NP_001185489.1
RefSeq Size:	1419 bp
RefSeq ORF:	933 bp
Locus ID:	15018
Cytogenetics:	17 18.67 cM
MW:	35.6 kDa
Gene Summary:	Involved in the presentation of foreign antigens to the immune system.[UniProtKB/Swiss-Prot Function]