

Product datasheet for **MR207403**

2210010L05Rik (BC017534) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2210010L05Rik (BC017534) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2210010L05Rik
Synonyms:	2210010L05Rik; 9630025I22Rik; AI836200; AW212394; MMR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207403 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGGGCTCCCTGGGCTGGGGCTGGCCATGCTGTCTGTGGGTATTGGAATCGACTATACTCATATAG
 ATGTGCTCATTGATGGGAAGGGGTGTAAGCCCCCTGAGTACCGAACTACCAGATTGTCTTCATCGTCTT
 TGGAGTCTCATGACCATGGCCCTGATCGTTGCCACTCAGTTCGGTTCCGCTACAACCCTTCAACAAT
 AGTGATGGTAAAGGAAAGAGGTGGAGATCCCACAGGTGAAAGGGACAACCTCCACAGAGTCCTCTGAAG
 AGACTCCAACCTGCCGCGACTCACTCACAGGCCTTCAACTTCTGGGACTTGATCAAGTTGCTATGCAGTGT
 GCAGTATGGCTCGTTCTGTTTGGCCTGGTTTCATGGGTTTTGGATACGGCTTCGTGTTACCTTTCTC
 TACTGGCATCTGGAAGACCTAAATGGAACAACCCCTTTGGGGTCTGTTTCAGTCCTGAGTCATGTGT
 CCGAGTTGACCGTTACTTCTCAGCCACAAGCTTATTGAGTTGATTGGCCATATCAGGGTTTTATACAT
 TGGCCTGGCCTGTAATACAGCTCGCTATATTTACATTTCTACCTGGAATGCCTGGACTGTCCTCCCT
 ATGGAAGTTCTCAAGGTGTACACACGCAGCCATCTGGGCAGCGTGCATCTCTTACCTCAGTGCAGCTG
 TCCCCCTGAGCTGAGGACTTCTGCACAGGGAATCCTGCAAGGCCTTCATCTGGGTCTGGGGCGAGGATG
 TGGTGCCATGATCGGAGGCGTGTAGTCAATTATTTGGGGCTGCTGCAACTTTCCGAGGGATTGGCATG
 GCTTGCCTGGTGATCCTTCTCCTCTTTGCCCTGATCCAGTGGCTGGCAGTACCAGATGAAGAAGAAGACA
 AGACAATGTTGGCAGAAAGGATCCCAGTTCCTCTAGTCCCGTCCCATAGCAACCATTGACCTGGTACA
 GCAACAGACAGAAGATGTCATGCCACGCGTTGAGGCCAGACTCCGCCAAGAAAACCAAGCACCAGGAA
 GAGCAGGAAGATGTAATAAACCGGCCGGGGGTGAGTCCCTCGCCTGGGTGACCTTTGTCTATGCTC
 TCTACCAAGTTAAAGAGCTAATTCAACTGACAAGAGAGAGCCGTCTTCTGAGATAACAACCTTACAGGG
 GACCAAGTGAAGATCGGGAAGCCTCTCCAGCTGGTGGAGCCAGCGTCCCCACGTGAAACTCACTCCGCC
 TCACCTAGAAACCAGCCATCCCCTGACACAGCAGCATCTCAAACGCAGTCCAGCCCTGCTCACCCAGTG
 CTACCCCGCATGGACAGGAGAGTGGAGAGAAGCAGGCTCAGCCCACTGTGGGAGAACAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

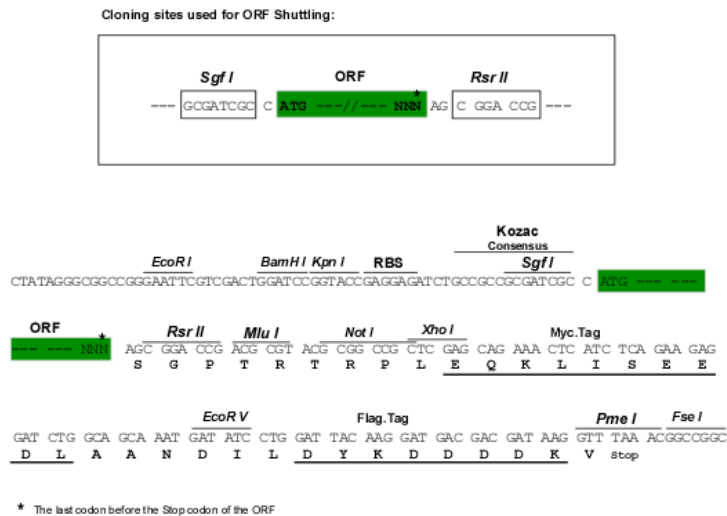
>MR207403 protein sequence
 Red=Cloning site Green=Tags(s)

MWGSLGWGLAMLSVIGIDYTHIDVLDGKGGKPEYRNYQIVFIVFGVLMALIVATQFRFRYNHFNN
 SDGKGKEVEIPQVERDNSTESSEETPTAATHSQAFNFWDLIKLLCSVQYGSVLFVAWFMGFYGFVFTFL
 YWHLEDLNGTTTLFGVCSVLSHVSEL TAYFFSHKLIELIGHIRVLYIGLACNTARYIYISYLENAWTVLP
 MEVLQGVTHAAIWAACISYLSAAVPELRTSAQGILQGLHLGLGRGCGAMIGGVLVNYFGAAATFRGIGM
 ACLVILLFFALIQLAVPDEEDKTMLAERIPVPSVPPIATIDL VQQTEDVMRPRVEARLPPKKTQHQE
 EQEDVNKPAWGVSSSPWVTFVYALYQVKELIQLTRESRASEIQPLQGTSENREASPAGGAQRAPRETHSA
 SPRNQSPDPTAASQTQSSPAHPSATPHGQESGEKQAQPTVGEH

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: BC017534

ORF Size: 1389 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: [BC017534](#), [AAH17534](#)

RefSeq Size: 2744 bp

RefSeq ORF: 1391 bp

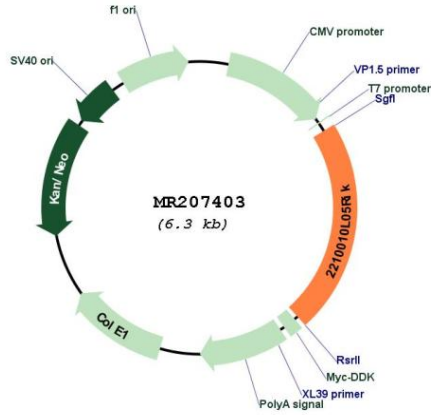
Locus ID: 98682

Cytogenetics: 1 C1.1

MW: 51 kDa

Gene Summary: MHC class I receptor. Binds only to H-2 class I histocompatibility antigen, K-D alpha chain (H-2K(D)).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207403