

Product datasheet for MR212450

1700017B05Rik (NM_028820) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1700017B05Rik (NM_028820) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1700017B05Rik
Synonyms:	AA682102; D9Ertd278e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212450 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGAAGCGGCCCTAGGGCCTCTGGGCCTATGATGTATGGCAAGCTGCCTCGCCTGGAGCCAG
ACCCAGGGCCAGGACACAGCCTGCCCTTTCTGCTAGCAGCCAGGACTCCTGCAATTACAAAGGTGCATA
TTTCTCCTGCCCATAGGGGTACTTCGAAGGCAGGATCTGAGCGGTTGGCATCCTGGACCCCATATCCA
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ACCGTCCCCGACAGAAGGCTCTGAAAAGATACAAGACTCAAGTGAGCTGCTGCCCTTCGGTCCCCAGGC
TCATGCGTACCCAGGCCCGCCCTGGCCGCGCCAAGCCTGTCTACCGCAACCCTTTGTGTTACGGACTC
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TTCTTGGAGAAGTATCGAATATCCAAAGCACAGGTTTCTGGCTTCCAAGTACACCAGTCTTATCCTG
GGGATGCAAAGCAAGCAATGTCTGAGGGGCCCTCCAGTCTTGGACTCACTTGCACAGCCCCTAGGGCC
ACCTTGCCAGGATGCAGTGGCAGCCACTATCCACTGCCCCACCGCCACAGGCCCTGCCTTGCCTCCA
TCTTGTCCATCCAGAAAAGCAGGGAAGCTATGGCTCGTTGCTCCACTGCCACCTTAGGAGCCACAAAG
GGGCTGCGTACCAAGCTGGGGGGCTGGGCAGCCCTTACCTGAGGCAACAGGCACCCAGGCTCCGTACAT
GCCCCCTCTTGGGATAGACAGTTATTCCTACTCCTCTGCACCCCTCCCAGCACCATCACCAGGGCTCAAA
CTGGAGCCCCCTCTGCTCCAAGGTGCCACTGGACTTTGTTCCCAAATCTGGGTTTTCTTATGCCA
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CCTCCCAGCTCCCCACCAATGCCCGTGATTGACAACGTTTTAGTCTGGCCCTTACCGTGACTACCTGG
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Protein Sequence:

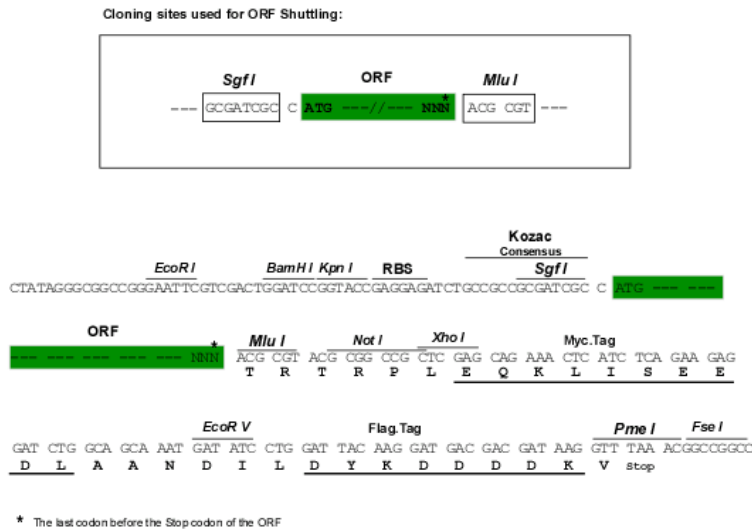
>MR212450 protein sequence
 Red=Cloning site Green=Tags(s)

MAEKRPLGPLGPMYKGLPRLEPDGPGHSLPLSASSQDSCNYKAYFSCPIGGTSKAGSERLASWTPYP
 SLYPTGAVAGSPLRGDNLNTNCLLYRPPTTEGSEKIQDSSSELLPFGPQAHAYPGPPLAAPKPVYRNPLCYGL
 STCLGDGGTKRSLDGDWTLVTGPLLPSADPPCPLATAPGKGQPLDGTFLRGLPSGGPGKDSLPFSPCQA
 FLEKYRTIQSTGFLASKYTSYPYGDQAMSEGPSSPWTQLAQPLGPPCQDVAHAHYPLPPPQALPCPP
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 PPSSPPMPVIDNVFSLAPYRDYLDVQTPPEPRAERDSAPATSKSQDKDCKGNLPAQDGASRSHCSLREEVA
 LDLSVKKTMAEGVPVKVPSPEVHEKPAEAVDGGIENVTSGLPGLKVMTEIPEVTAETPRTNFHSSVA
 FMFRKFILRTAPVPAIYVSSPTTAPVPAPAPAQPVPNPPSVVGLQILTLQPLPVACFNALPSPPAIV
 ASPAPASAPPPSPAPAPASGPAPSSAQVPTAAPVDSPEQHFHTGLHTSLCDAISGVAHSPPEKLRWL
 ETTGPWGQAAWQDCQGVQGLLGLKLLSQLQKQFVCTQRCPPFHVVRAGAI FVPIHLVKERLFPKLPASVDH
 VLQDHRVELRPTTLSEERALRERALHGCTSRMLKLLALRQLPDIYPDLLGLQWHDCVRRQLGGFDTEART
 LSPSEPTVTRDEPESQALAGKLPAPKVKKPGRKPPTGPEKAEAAATGEGSRNPPSPSSGASTSPPGPTLRA
 RFRNLLNAWLNGLVALPTWGHKASGADRSSPHQLLGSQTHHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_028820

ORF Size: 3072 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.

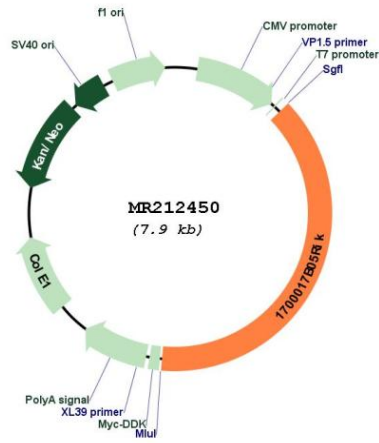
RefSeq: [NM_028820.2](#), [NP_083096.1](#)

RefSeq Size: 4934 bp

RefSeq ORF: 3072 bp

Locus ID: 74211
 UniProt ID: [Q3TEI4](#)
 Cytogenetics: 9 30.89 cM
 MW: 108.2 kDa

Product images:



Circular map for MR212450