

Product datasheet for **MR206912**

King2 (NM_001102409) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	King2 (NM_001102409) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	King2
Synonyms:	MGC117836; MGC123404
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR206912 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCTCATTACTACACTGCTCCTCTGCTCCGGACTCTGCTGACTTTAACACAGGGAGAAGAAGCGC
 AGGAAATTGACTGCAATGATGAGGCTGATTTTCAGGCTGTGGATGCCTCTCTGAAGAAGCTTAATGCTAG
 GTTACAAAGCGGCAACCAAGTTTGTGTTGTACCGAGTGACCAAGCGCGCTAAAATGGATGGCTCTGCAACC
 TTTTATTCCTTCAATTATCAAATCAAGGAGGGCAACTGCTCTGCTCAGAGAGGCTGGCGTGGCAGGACT
 GTGACTTCAAGGACTCTGAGGAAGCCGCACTGGAGAATGCACAGCAACTATGGGGAAGAAAGAAAAATAA
 GTTTTTCATAGTACCCAGACCTGCAAGATTACTCCAGGTAAGGGCCCCATAGTGACAGAGGAGTACCAC
 TGTGCGAGTTGTGTGCATCCCATATCGGCAGATAATCCAGACCTGGAGCCTGTTTTGAAACACGCCATCG
 AATATTTCAACAACAACACAGGTCACAGCCACCTTTTGTCTCAGAGAAGTAAAAAGTGCCCAAGGACA
 GGTGGTGGGTGGCTGAATTTTGTGACATTATCTACACAATTGTGCAACAAATTGTTCAAAGGAGCGTTTT
 CCTTCCCTCCGTGGAGACTGTGTGGCACTTCCCAATGGTATGGTGGTGTAGAGGTAATGCTTTCC
 TGGATACTGATAACAAAATTGAGGACTTACGCAGAGCTGTGACCTTCATCCAGGAGATGATTTGGTAGA
 AGCGCTTCCCAAGCCTTGCCCTGGCTGCCCCAGGGACATACCTGTAGACAGCCCAGAGCTGAAGGAGGTG
 CTTGGTCATTCCATTGCACAGCTAAATACAGAGAATGACCATCCTTTCTATTTCAAGATTGACACCGTGA
 AAAAAGCAACATCACAGGTGGTAGCAGGAACTAATTATGTTATTGAGTTCATAGCCAGAGAAACCAATG
 TTCCAAGGAAAGTAAACACAGAGCTGACAGAAGATTGTGAGATCAAGCACCTTGGACAAAGTCTCGACTGC
 AATGCTAACGTGTACATGAGACCTTGGGAGAACAAGTCATCCCGACTGTGAAATGCCAAGCATTAGATA
 AGACTATTCCTATCCGAAGGAGGCTCCAGGCTTTTCTCCTTTCCGGTCCAGCCAAAGTACAAGAAACAAA
 AGCAGGAACAACCTAGGCTCCTACGCGCGTGCAGTACAAGGGCAGACTCTCAAAGGCAGGGGCAGAGCCA
 GCGCCTGAGCGTCAGGCAGAATTTCAAGTGAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206912 protein sequence
 Red=Cloning site Green=Tags(s)

MKLITLLLLCSLLLLTLTQGEAAQEI DCNDEAVFQAVDASLKKLNARLQSGNQFVLYRVTKRAKMDGSAT
 FYSFNYQIKEGNCSAQRGLAWQDCDFKDEEAATGECTATMGKKENKFFIVTQTCKITPGKPIVTEEYH
 CASCVHPISADNPDLPEVLKHAIEYFNNTGHSHLFALREVKSAQGVVGLNFDIITYIVQTNCSKERF
 PSLRGDCVALPNGDGGECRGNFLDNDKIEDFTQSCDLHPGDDLVEALPKPCPGCPRDIPVDSPELKEV
 LGHSIAQLNTENDHPFYFKIDTVKATSQVVAGTNYVIEFIARETKCSKESNTELTEDCEIKHLGQSLDC
 NANVYMRPWENKVIPTVKQALDKTIPIRRRPPGFSFSAKVQETKAGTTRLLRACEYKGRLSKAGAEP
 APERQAESSQVKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001102409

ORF Size: 1302 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_001102409.1](#), [NP_001095879.1](#)

RefSeq Size: 1612 bp

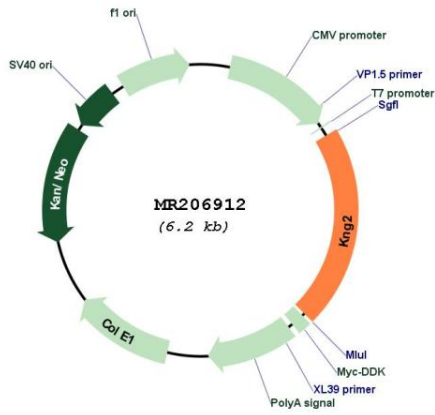
RefSeq ORF: 1302 bp

Locus ID: 385643

Cytogenetics: 16 B1

MW: 47.9 kDa

Product images:



Circular map for MR206912