

Product datasheet for **MR215175**

King2 (NM_001102410) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	King2 (NM_001102410) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	King2
Synonyms:	MGC117836; MGC123404
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR215175 representing NM_001102410
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCTCATTACTACACTGCTCCTCTGCTCCGGACTCCTGCTGACTTTAACACAGGGAGAAGAAGCGC
 AGGAAATTGACTGCAATGATGAGGCTGATTTTCAGGCTGTGGATGCCTCTCTGAAGAAGCTTAATGCTAG
 GTTACAAAGCGGCAACCAAGTTTGTGTTGTACCGAGTGACCAAGCGCGCTAAAATGGATGGCTCTGCAACC
 TTTTATTCCTTCAATTATCAAATCAAGGAGGGCAACTGCTCTGCTCAGAGAGGCCTGGCGTGGCAGGACT
 GTGACTTCAAGGACTCTGAGGAAGCCGCACTGGAGAATGCACAGCAACTATGGGGAAGAAAGAAAAATAA
 GTTTTTCATAGTACCCAGACCTGCAAGATTACTCCAGGTAAGGGCCCCATAGTGACAGAGGAGTACCAC
 TGTGCGAGTTGTGTGCATCCCATATCGGCAGATAATCCAGACCTGGAGCCTGTTTTGAAACACGCCATCG
 AATATTTCAACAACAACACAGGTCACAGCCACCTTTTGCTCTCAGAGAAGTAAAAAGTGCCCAAGGACA
 GGTGGTGGGTGGCTGAATTTTGACATTATCTACACAATTGTGCAAACAATTGTTCAAAGGAGCGTTTT
 CCTCCCTCCGTGGAGACTGTGTGGCACTTCCCAATGGTATGGTGGTGTAGAGGTAATGCTTTCC
 TGGATACTGATAACAAAATTGAGGACTTACGCAGAGCTGTGACCTTCATCCAGGAGATGATTTGGTAGA
 AGCGCTTCCCAAGCCTTGCCCTGGCTGCCCCAGGGACATACCTGTAGACAGCCCAGAGCTGAAGGAGGTG
 CTTGGTCAATCCATTGCACAGCTAAATACAGAGAATGACCATCCTTTCTATTTCAAGATTGACACCGTGA
 AAAAAGCAACATCACAGGTGGTAGCAGGAACTAATTATGTTATTGAGTTCATAGCCAGAGAAACCAATG
 TTCCAAGGAAAGTAACACAGAGCTGACAGAAGATTGTGAGATCAAGCACCTTGGACAAAGTCTCGACTGC
 AATGCTAACGTGTACATGAGACCTTGGGAGAACAAGTCATCCCGACTGTGAAATGCCAAGCATTAGATA
 AGACTATTCCTATCCGAAGGAGGCTCCAGGCTTTTCTCCTTTCCGGTCAGCCAAAGTACAAGAAACAAA
 AGCAGGAACAACATAAGCAACTTCCAGAAATGTCTGGGCGCCCATGGAAGCCAGCTAGCTGGAAGGATC
 CAAACACAGAAACAACAGAATTTTCTGATTTTGTCTCCTTGTGTTCTTTCTTAACCTACACAGCCTAG
 GTAGCTTCAAAAATGTTCTCCAGCCTTTCTTTCTACTGCCCAAGCACAAACATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215175 representing NM_001102410
 Red=Cloning site Green=Tags(s)

MKLITLLLLCSGLLLTLTQGEAAQEI DCNDEAVFQAVDASLKKLNARLQSGNQFVLYRVTKRAKMDGSAT
 FYSFNYQIKEGNCSAQRGLAWQDCDFKDEEAATGECTATMGKKENKFFIVTQTCKITPGKGPVITVEEYH
 CASCVHPI SADNPDL EPLVKHAI EYFNNTGHSHLFALREVKSAQGVVGLNFDIIYTI VQTNCSKERF
 PSLRGDCVALPNGDGGE CRGNAFLD TDNKIEDFTQSCDLHPGDDLVEALPKPCPGCPRDIPVDSPELKEV
 LGHSIAQLNTENDHPFYFKIDTVK KATSQVVAGTNYVIEFIARETKCSKESNTELTEDCEIKHLGQSLDC
 NANVYMRPWENKVIPTVKCQALDKTIPIRRRPPGFSFRRSAKVQETKAGTTKQLPRNVLGAHGSQLAGRI
 QTQKQNFLLIISLMFFLNHLHSLGSFTNVLP AFLSTAQAQTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

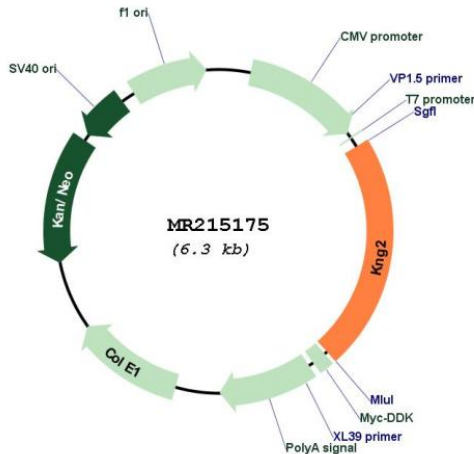
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001102410

ORF Size: 1386 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_001102410.1](#), [NP_001095880.1](#)

RefSeq Size: 1686 bp

RefSeq ORF: 1389 bp

Locus ID: 385643

Cytogenetics: 16 B1

MW: 51.5 kDa