

Product datasheet for **MR203649**

6720463M24Rik (BC052183) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	6720463M24Rik (BC052183) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	6720463M24Rik
Synonyms:	6720463M24Rik; AI317232
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203649 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGAGATGTCAGCGAATTA AAAATGCAAATAACACCAGAACTCCAGGAAGGATCCCTGTTTTAAATC
CCTTTGAAAGTCCCAGTGATTATTCTAATCTCCATGAACAAACCCTTGCTAGTCTTCTATCTTTAAGTC
CACAAACTACCAACTCCAGGAAATTTAGGTGGTCTATTGATCAGCTGGCCATAATAAACCTGTAGAG
ATCGATCCAGAGGAGATCCATCGGCAGGCTTCTACCTAAGGCTTCTCGAATAGATAAAGATGTGGAAG
ACAAAAGACAAAAGCCATTGAAGAGTTTTTACTAAAGATGTCATTGTGCCCTCTCCCTGGACTGATCA
TGATGGAAAACAGCCTTCAGAGCTTCATCCAGTAAATGCCTAAGTAGCCATGATGACTCTCCTGATGGG
AAAAAGCCAAGTCTTCCCTCACAGAAGTCAACGCTGCCTGCCAGACTCTGCTGTCTCTTCTGTGGATT
TTAATTTGGAAGCCATATTAGGAGACTATTTTAGAGAAGAGGACTTTGTGGCCACACTCCTGGGAACCT
CAGTTCTTCATCTCTGAGAAGAAAGCTTTTTGGATGGGAATGGAAGCATCTGTGACCTTTGCCTTCG
CCGTCGCCCGAAGTCTCCCTGCAGTGCCCGGGGTGCTCGAGGGACAGTTTTCTTCCAGCCCCATTC
AGAACAGTGTGAAAAAATACAGCTTGGGAAGCGTCACCACGAGCCCGTCGGCCATCTCCTCACCTACCT
CTCACCTATCGCACTTCAAGGAGGAAAGACGCCGCTCTCAGGTCAAATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203649 protein sequence
Red=Cloning site Green=Tags(s)

MGDVSELKMQITPETPGRIPVLNPFESPSDYSNLHEQTLASPSIFKSTKLPTPGKFRWSIDQLAIINPVE
 IDPEEIHRRQASYLRLSRIDKDVEDKRQKAIIEEFFTKDVI VPSPTDHDGKQPSSELHPSKCLSSHDDSPDG
 KKPSPSPQKCNAAQCOTLLSLPVDNFLEAILGDYFREEDFVAHTPGNLSSSSLRRKFLDGNIGSICDPLPS
 PSPGSPPCSARGSLGQFSSSPIQNSVKKYSLSVTTSPSAISSPTFSPIALQGGKTPLSGQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: BC052183

ORF Size: 819 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: [BC052183](#), [AAH52183](#)

RefSeq Size: 3866 bp

RefSeq ORF: 821 bp

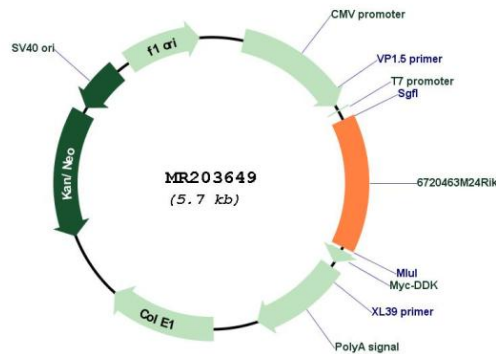
Locus ID: 77744

Cytogenetics: 14 E2.2

MW: 29.7 kDa

Gene Summary: Required for the activation of AURKA at the onset of mitosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203649