

Product datasheet for MR223594

Gm2663 (NM_001102660) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm2663 (NM_001102660) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm2663
Synonyms:	100040208
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223594 representing NM_001102660 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGATCATCTTCTTCTTCACTTTTCTGGGAGCTGCTGTTGCTCTCCCAGCTAACAGTGATGACAAGA
TTGTTGGAGGCTACACATGTCCGAAGCATTTCGGTTCCTTACCAGGTGCTCTGAATGATGGCATTAGCCA
TCAGTGTGGTGGCTCCCTTATCAATGATCAGTGGTACTGTCTGCTGCTCACTGCTACAAAAGAAGACTC
CAGGTTTCGCTTGGTGAACACAATATTGATGTCCTTGAGGGTGGTGAACAATTTATTGATGCAGAAAAGA
TCATTCGACACCCAGACTATAACAAGGACACTGTGGATAATGACATCATGCTGATTAATGAAGTCACC
TGCCATCCTTAATCCCAAGTATCCACAGTCTCTGCCCAGATCCTGTGCATCTACAAATGCTCAGTGC
CTTGTTTCTGGCTGGGAAATACTGTGAGCATTGGTGGAAAATACCCAGCACTCCTTCAATGCTGGAAG
CTCCTGTCTCTCGGCCAGTTCTTGCAAAAAATCCTACCCAGGCCAGATTACCAGCAATATGTTCTGCCT
GGGATTCCTGGAGGGTGGAAAGGACTCCTGTGATGGTATTCTGGTGGACCTGTTGTCTGCAATGGAGAG
ATCCAGGGTATTGTCTCCTGGGGTTCAGTCTGTGCAATGAGAGGGAAGCCTGGTGTTTACACCAAAGTCT
GCAACTACCTAAGCTGGATTTCAGGAGACCATGGCGAACAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223594 representing NM_001102660
 Red=Cloning site Green=Tags(s)

MKIIFFFTFLGAAVALPANSDDKIVGGYTCPKHSVPYQVSLNDGISHQCGGSLINDQWVLSAAHCYKRRL
 QVRLGEHNIDVLEGGEQFIDAEKIIRHPDYNKDTVNDIMLIKSPAILNSQVSTVSLPRSCASTNAQC
 LVSGWGNVTSIGGKYPALLQCLEAPVLSASSCKKSPYGPQITSNMFCLGFLEGGKSDCGDSGGPVCNGE
 IQGIVSWGVCAMRGKPGVYTKVCNYLSWIQETMANN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9088_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001102660

ORF Size: 741 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_001102660.1](#), [NP_001096130.1](#)

RefSeq Size: 870 bp

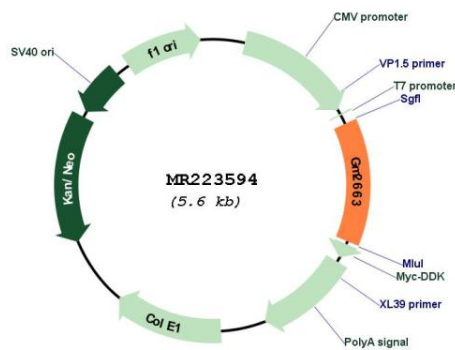
RefSeq ORF: 744 bp

Locus ID: 100040208

Cytogenetics: 6

MW: 26.6 kDa

Product images:



Circular map for MR223594