

Product datasheet for **MR230252**

Gm4724 (NM_001256480) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm4724 (NM_001256480) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm4724
Synonyms:	100043915
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230252 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTAGTCACCTATGATGACGTGCATGTGAACTTCACTCAGGATGAGTGGCTTTGCTGGATCCTT
 CTCAGAAGAGTCTCTACAAGGGTGTGATGCTAGAGACCTATAAGAATCTCACAGCTATAGGTTACATTTG
 GGAAGAACATACGATTGAGACCATTTTCAACTTCTAGAAGTCATGGAAGGCATGAAAGAAGTTGTTCT
 GCAGAGCAACCCTCTGAGTTTATCAATGTGGTAAAGCCTTTGCATATGAGAGTGGTAGACAAAGGCATC
 AAATTAACATAATGGAGAGAAACACCATGACTGTAACCAATGTGGTAAGGACTTTAGAACATGGAATGT
 CCTGCAAATACATAAGCGAACACATACAGGAGAGAAACCCTATGACTGTAACAATGTGGTAAAGTCTTT
 GCAAGAAGCTGTCATCTCCAAATACATAATCGAACACATGCAGGAGAGAAACAGTATGAATGTAACCAAT
 GTGGTAAAGCTTTTAAAAGAAGGATTAACCTCCAAATACATAAGCGAACACATACAGGAGAGAAACCCTA
 TGAATGTAACCAATGTGGAAAAGCCTTTGCAAGTAGTGGTGAACCCAAAACATAAACGAACACATACA
 GGAGAGAAACCCTATGAATGTAAACAATGTGGTAAAGCCTTTTACAAAGCAGTCATCTCCGAATACATA
 AGCGAACACATACAGGAGAGAAACCCTATGAATGTAACCAATGTGGAAAAGCCTTTGCAAGAAGTGGTGA
 CCTCCAAAACATAAACGAACACATACAGGAGAGAAACCCTATGAATGTAACAATGTGGTAAAGCCTTT
 GCATAGCAGTCATCTCCAAACATGAGCGAACACATACAGGAGACAAACCCTATGAATGTAACAGT
 GTGGTAAAGCCTTTGCAAGTAACTATACTCTCCAAATGCATAAGCGAACACATACAGGAGACAAACCCTA
 TGAATGTAACAATGTGGTAAAGCCTTTGCAAGTAACTATACTCTCCAAATGCATAAGCGAACACATACA
 GGAGAGAAACCCTATAAATGTAACAATGTGGTAAAGCCTTTGCAAGAAGCTGTCATCTCCGAATACATA
 AGCGAACACATACAGGAGAGAAACCCTATGAATGTAACCAATGTGGTAAAGCCTTTGCAAGAAGCTGTCAT
 CTCCGAATACATAAGCGAACACATACAGGAGAGAAACCCTATGAATGTAACCAATGTGGTAAAGCCTTTT
 ATAAACAAGGAGAGTCTCCAAATACATAAGCGAACACATACCGGAGAGAAACCCTATGAATGTAACCAAT
 GTGGAAAAGCTTTTGAAGAAGTTGTGACCTCCAAAACATAAACGAACTCATAACAGGAGAGAAACCCTA
 TGAATGTAACCACTGTGGTAAAGCCTTTGCACAAAGCAGTTCTCTCCGAATCCATAAGCGAACATATACA
 GGAGAGAGACAATATGAATGTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230252 protein sequence
 Red=Cloning site Green=Tags(s)

MDLVTYDDVHVNFQDEWALLDPSQKSLYKGVMLETYKNLTAIGYIWEETHIEDHFQTSRSHGRHERSCS
 AEQPSEFIQCGKAFAYESGRQRHQIKHNGEKHHDCNQCCKGDFRTWVNLQIHKRTHTEKPYDCKQCCKV
 ARSCHLQIHNRTHAGEKQYECNQCGKAFKRRINLQIHKRTHTEKPYECNQCGKAFASSGELQKHKRTH
 GEKPYECKQCCKAFSSSHLRQIHKRTHTEKPYECNQCGKAFARSGDLQKHKRTHTEKPYECKQCCKAF
 AHSSHLHKHERHTGDKPYECKQCCKAFAVIYTLQMHKRTHTEKPYECKQCCKAFAVIYTLQMHKRTH
 GEKPYCKQCCKAFARSHLRQIHKRTHTEKPYECNQCGKAFESSTLQIHNRTHTGEKPYECNQCGKAF
 ITRRVLQIHKRTHTEKPYECNQCGKAFARSDLQKHKRTHTEKPYECNHCCKAFQSSSLRQIHKRTH
 GERQYECN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256480

ORF Size: 1494 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001256480.1](#), [NP_001243409.1](#)

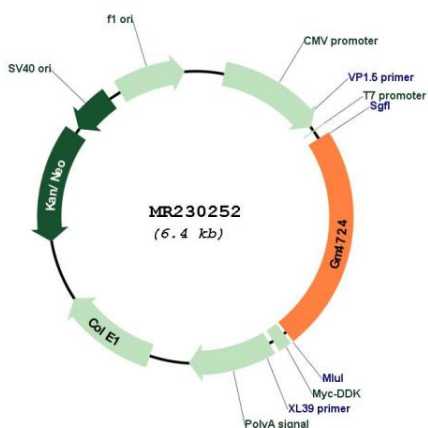
RefSeq Size: 4538 bp

RefSeq ORF: 1497 bp

Locus ID: 100043915

Cytogenetics: 2
 MW: 57.8 kDa

Product images:



Circular map for MR230252