

Product datasheet for **MR212273**

Gm2012 (NM_001104946) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm2012 (NM_001104946) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm2012
Synonyms:	100039030
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212273 representing NM_001104946 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTATTAAGAACTGTGGTGATACCAAAGGATGGTTACTTATTACTTCTTGACTATGATTCAGATG
 AAGAAGAAGAGCAGGCTCATTCTGAAGTAAAGAGGCCAGCATTGGCAAACATGAGAATATGCCGCCTCA
 CGTAGAAGCAGATGAAGATATAAGAGATGAACAAGACAGTATGTTGGATAAATCTGGAGAAAACGTAAGT
 TTCTCAGAAAAATGGCAGCGTTTTGCACGTTCTGTAGAGACACCAATGGAAAACGGAATTTGTTAAGTG
 GTGAACAGCAAGTTAGGAATGCTTCAGAATTGGACCTTATGGAAGTACAGAATCCAGTAACATCATGATGA
 TGGGAATGCAAACTCCTGAAGAAGTAGTTGGAGATACACGAAAGAAGATCAACAACAAATTGTGTGAGCAG
 AAGTGTGATATGGATATACAGAAATTCATGAAGAACAAGAAAAATCAGTGAACAATTATCAAAAAGAAC
 AACAAGCATTAAATCTGTCCGAATGTAGTCAGAGTCAGACCCTGGAAGCAATTGAAGACATGCATGAGAA
 GTCCATGGAGGGTTTGATGAACATGGAGACCAACAACACGATATGCTTTTTGATGTAGATGGTGAAGAG
 ACATTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR212273 representing NM_001104946
 Red=Cloning site Green=Tags(s)

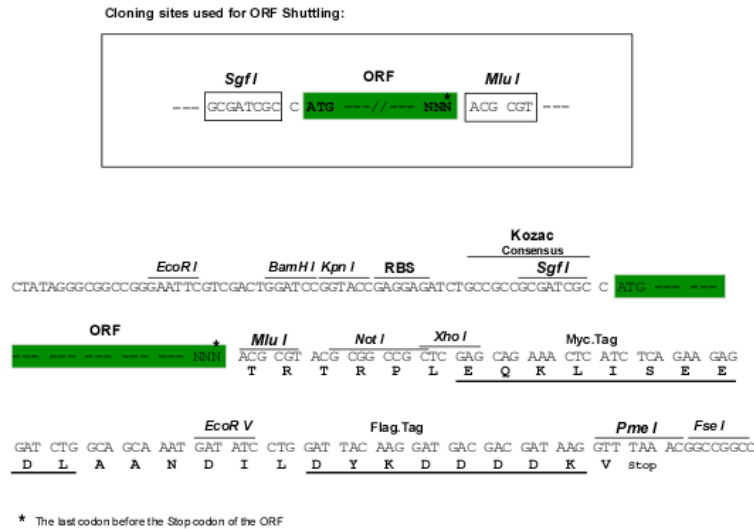
MSIKKLWIPKDYLLLDYDSDEEEQAHSEVKRPAFGKHENMPHVEADEDIRDEQDSMLDKSGENV
 FSEKWQRFARSVETPMENWNLLSGEQVRNASELDLMEVQNPVTHDDGNANPEEVVGDTRKKINNKLCEQ
 KCDMDIQKFNEEQEKSVNNYQKEQALNLSECSQSQTLEAIEDMHEKSMEGLMNMETNNYDMLFDVDGEE
 TL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9074_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001104946

ORF Size: 636 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_001104946.2, NP_001098416.1

RefSeq Size: 892 bp

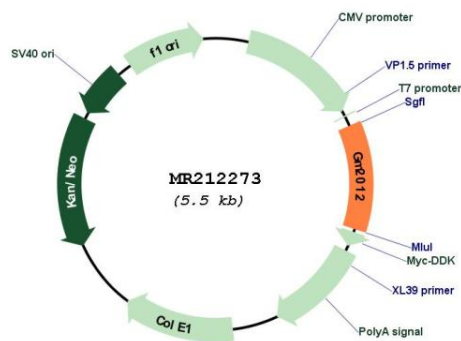
RefSeq ORF: 639 bp

Locus ID: 100039030

Cytogenetics: X

MW: 24.6 kDa

Product images:



Circular map for MR212273