

Product datasheet for **RR206940**

Me2 (NM_001107376) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Me2 (NM_001107376) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Me2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206940 representing NM_001107376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTTCCCGTTAAGAGCTGTTACCACTCCTTGACCTTTGACCTGCCGCAGAGTGCACCTGAAGGAGA
 AGGGCAAGCCACTCATGTTGAATCCAAGAACAACAAGGGGATGGCGTTTACATTACAAGAACGACAAAT
 GCTTGGTCTTCAAGGACTTTTACCTCCTAAAAATAGAGACACAGGATATTCAAGCCTTACGATTCCATAGA
 AACTTGAAAAAATGACTAGCCCTTTGGAAAAATACATCTATATAATGGGCATACAAGAAAGAAACGAGA
 AACTGTTTTATAGAATACTACAGGATGATTTGAAAGTCTGATGCCAATTGTGTACACACCAACAGTTGG
 TCTTGCCTGTTGTCAATACGGACATATCTTTAGGAGACCTAAGGGATTGTTTATTTCAATCTCAGACAGA
 GGTCAATGTAGATCAATTGTGGATAACTGGCCAGAAAATCATGTTAAGGCTGTTGTGGTACTGATGGAG
 AGAGAATCCTGGGACTTGGAGATTTGGGTGTCTATGGAATGGGGATTCCAGTCGGGAAGCTTTGCTTGTA
 TACAGCATGCGCAGGAATCCAGCCTGAGAAATGCCTGCCTGTGTGCATCGATGTAGGACTGATAACATG
 GCTCTACTGAAAGACCCGTTTTATATGGGCTTGTATCAGAAGCGAGACCCGCTCCAGCTCTATGACGATC
 TGATGGATGAGTTTATGAAGCGCATCACTGACAGATATGGCCGGAACACACTTATTCAGTTTGAAGACTT
 TGGAAATCATAATGCATTAGATTCTTAAAAAATACCAGGAAAAATACTGTACCTTCAATGACGACATT
 CAAGGGACTGCTGCAGTTGCCTTGTCTGGTCTCCTTGGCGCCAAAGAGTGATTAATAAACCAATCTCAG
 AACACAGAATCTTATTCCTCGGGCAGGAGAGGCTGCACCTTGGAAATGCGAAGCTTATAGTCATATCAAT
 GATGGAAGTGGTCTCTCAGAAGAGGAGGCACAGAGAAAGATCTGGATGTTGACAAGAACGGCTTGCTA
 GTTAAGGGCCGGACTGCTAGAATAGATAGTAACCAGGAACCATATGCTCATGCTGCCTCAGAGAACATAC
 CTGCAACCTTTGAAGATGCAGTAAATAAAGCTTAAAGCTTCAAGTTAATAATTGGAGTGGCAGGTGCTGGCC
 GCTTTTTACTCCTGGCGTAATTAAGCCATGGCCGCTATCAACGAGAGGCCATAAATATTTGCTTTAAGC
 AATCCTACAGCACAGGCCGAGTGCACCTGCCAAGACGCTTACACACTTACAGAGGCAGGTGCTTGTGTTG
 CCAGTGGCAGCCATTTGAGCCGGTGGACTCCAGGATGGGCGTGTCTTACCCCGGGCCAAAGGGAACAA
 TGCATACATCTTCCAGGTGTGGCTTTAGCTGTTATTCTGTGAAGCCCGACACATCAGTGACACCGTT
 TTCTTAGAAGCTGCAAAGGCACTGACATCCCAATTGACAGATGAAGAGTTAGCCCAAGGGAGGCTTTACC
 CATCACTTGCTAATATTCAGGAAGTTTCTGCTAACATAGCTATTAATAATGCAGAGTACCTGTACGCTAA
 TAAATGGCTTTCCGATACCCAGAGCCCGAGGACAAGGCCAAATATGTGAAGGAAAGGATATGGCGGAGT
 AATTATGTTTCCCTGCTGCCAGATGTGTATGATTGGCCAGAGTCGTCATTGAAGCCTCCGCAGATACCAG
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206940 representing NM_001107376
 Red=Cloning site Green=Tags(s)

MFSRLRAVTTPTLTCRRVHLKEKPKMLNPRTNKGMFTLQERQMLGLQGLLPPKIETQDIQALRFHR
 NLKMTSPLEKYIYIMGIQERNEKLFYRILQDDIESLMPVYPTVGLACCQYGHIFRRPKGLFISISDR
 GHVRSIVDNWPNHVKAVVVDGERILGLGDLGVYGMGIPVKGKLCYTACAGIQPEKCLPVCIDVGTDM
 ALLKDPFYMGLYQKRDRSQLYDDLMDEFMKAITDRYGRNTLIQFEDFGNHNAFRFLKQYQEKYCTFNDDI
 QGTAVALSGLLAAQRVINKPISEHRILFLGAGEAALGIAKLIVISMESGLSEEAQRKIWMFDKNGLL
 VKGRTARIDSNQEPYHAASENIPATFEDAVNKLKPSVIGVAGAGPLFTPGVIKAMAAINERPIIFALS
 NPTAQAECTAEDAYTLTEGRCLFASGSPFEPVRLQDGRVFTPGQGNAYIFPGVALAVILCEARHISDTV
 FLEAAKALTSQLTDEELAQGRLYPSLANIQEVSANIAIKIAEYLANKMAFRYPEPEDKAKYVKERIWRS
 NYVSLLPDYYDWPESLKPPIE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001107376

ORF Size: 1752 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_001107376.2](#), [NP_001100846.2](#)

RefSeq Size: 2899 bp

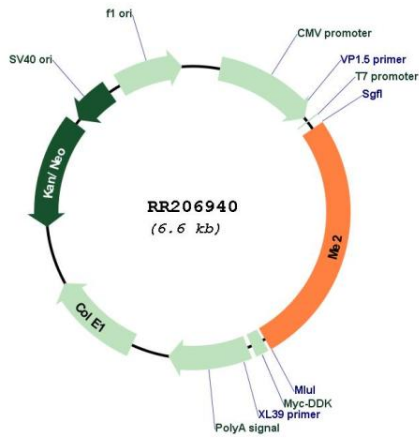
RefSeq ORF: 1755 bp

Locus ID: 307270

Cytogenetics: 18q12.2

MW: 65.4 kDa

Product images:



Circular map for RR206940