

Product datasheet for **MR209185**

Me2 (NM_145494) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Me2 (NM_145494) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Me2
Synonyms:	AW120568; D030040L20Rik; NAD-ME
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209185 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTTTCCCGCTAAGAGCTGTACCCTCTTGTACCTTGACCTGCCGCCGAGTGCACCTGAAAGAGA
 AGGGCAAGCCACTCATGTTGAATCCAAGAACAACAAGGAATGGCGTTTACGTTACAAGAGCGACAAAT
 GCTTGGTCTTCAAGGACTTTTACCTCCTAAAATAGAGACACAGGATATTCAAGCCTTACGATTCCATAGA
 AACTTGAAAAAATGACTAGCCCTTTGGAAAAATACATTTATATAATGGGCATCCAAGAAAGAAATGAGA
 AACTGTTCTATAGAATCCTGCAGGATGATATTGAAAGTCTGATGCCGATTGTGTACAGCCAACAGTTGG
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 GGTGATGTTAGATCAATTGTGGATAACTGGCCAGAAAAATCATGTTAAGGCTGTTGTGGTACTGATGGAG
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 TACAGCCTGTGCAGGATACAGCCCAGAAAGTGCCTGCCCGTGTGCATCGACGTGGGCACTGATAACATG
 GCACTATTAAGATCCGTTTTATATGGGCTGTATCAGAAGCGAGATCGTTCAGCTCTATGATGATC
 TGATGGACGAGTTTATGAAGCGGATTACTGACAGATACGGCCGGAACACACTCATTCAAGTTTGAAGACTT
 TGGAAATCATAATGCATTGAGTTCTTAAGAAAATATCAACAAAAATACTGTACCTTCAATGATGACATT
 CAAGGGACAGCTGCAGTTGCTCTGTCTGGTCTTCTTGGCGCCCAAGAGTTATTAATAAACCAGTCTCAG
 AACACAAAATCTTATTTCTTGGAGCAGGAGAAGCTGCACCTTGGAAATGCCAATCTCATAGTTCTATCAAT
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 AATCCTACAGCACAGGCCGAGTGCACAGCCGAGGACGCGTACAGGCTCACAGAGGGCAGGTGTCTGTTTG
 CCAGTGGCAGCCATTTGAGCCAGTGAAGTCCAGGATGGACGAGTCTTCAACCCAGGCCAAGGAAACAA
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 TTCTTAGAAGCTGCAAAGGCGTGCAGACTCAGTTGACAGATGCAGAGTTAGCCCAAGGGAGGCTTTACC
 CGTCGCTGGCTAATATTCAGGAAGTTTCTGCTAACATAGCTATTAAGTGCAGAGTACCTGTACGCTAA
 TAAAATGGCCTCCGGTACCCAGAACCCGAGGACAAGGCCAGATACGTGAGAGAGAGAATATGGCGGAGC
 AACTACGTTTCCCTGCTGCCGACGTGTATGACTGGCCAGAGTCTTCACTGACGCTCCTCAGATCACAG
 AAGAGAAGCTTCCCCAC

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

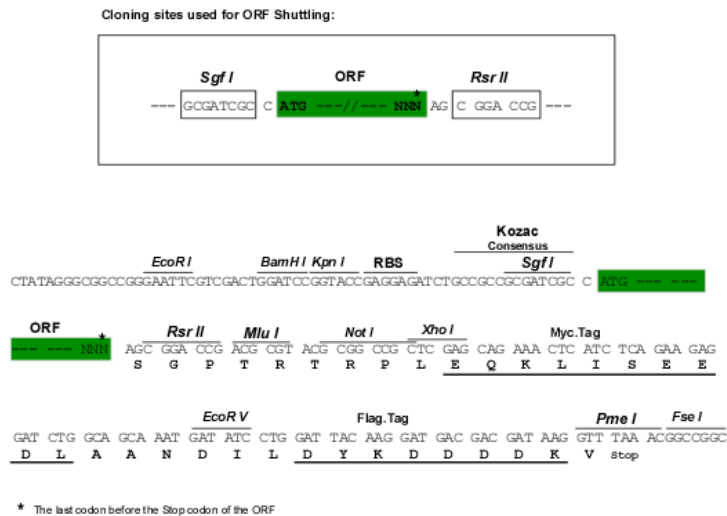
>MR209185 protein sequence
 Red=Cloning site Green=Tags(s)

MFSRLRAVTTPTLTCRRVHLKEKGKPLMLNPRTNKGMAFTLQERQMLGLQGLLPPKIETQDIQALRFHR
 NLKMTSPLEKYIYIMGIQERNEKLFYRILQDDIESLMPVYVTPVGLACCQYGHIFRRPKGLFISIDR
 GHVRSIVDNWPNHVKAVVVDGERILGLDGVYGMGIPVGLCLYTACAGIQPEKCLPVCIDVGTDM
 ALLKDPFYMGLYQKRDRSQLYDDLMDFFMKAITDRYGRNTLIQFEDFGNHNAFRFLRKYQQKYCTFNDDI
 QGTAVALSGLLAAQRVINKPVSEHKILFLGAGEAALGIANLIVLSMVESGLSEEEAQRKIWMFDKSGLL
 VKGRTASIDSNQEPYAHAAPESIPATFEDAVNKLKPSVIIGVAGAGPLFTHGVKAMASINERPIIFALS
 NPQAQAECTAEDAYTLTEGRCLFASGSPFEPVKLQDGRVFTPGQGNAYIFPGVALAVILCEARHISDVT
 FLEAAKALTTQLTDAELAQGRLYPSLANIQEVSANIAIKLAELYANKMAFRYPEPEDKARYVREIRIWR
 NYVSLLPDVYDWPESLTPPQITEEKLPH

SGPTRRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_145494

ORF Size: 1770 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_145494.1](#)

RefSeq Size: 2455 bp

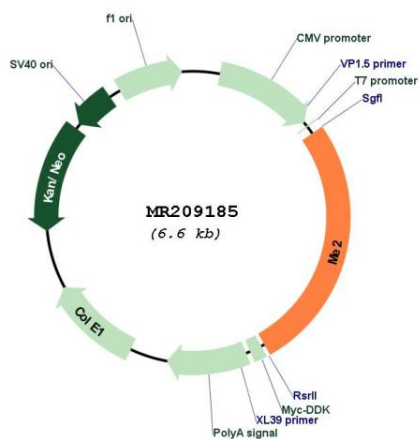
RefSeq ORF: 1770 bp

Locus ID: 107029

UniProt ID: [Q99KE1](#)

Cytogenetics: 18 E2
 MW: 65.8 kDa

Product images:



Circular map for MR209185