

Product datasheet for **RR209488**

Mei4 (NM_001109378) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mei4 (NM_001109378) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mei4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209488 representing NM_001109378 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGTTTCAGACATGGTATTTGAAAACGTCCAAGCTGGCACTGGCCTTGGCGATTATCCACTCAAAGC
 CAGCAGACAGAAGCAGCAGACAGTATGCAGAGCAACTGGCTGCCTTGGTGACCCAGCAGGAGTCCAAACA
 GAAGTCAAAGTTGAAGCCTTAGAAGCAGAAGTCTACAGTTACGTCAAAAATATTCTGAGTAGGATT
 TCCTCCGGTGTGTTAAGAATGGACACGATGTGCTCCACAGTTGTCAGATCAGGACCTACAAGTCTG
 AAAACACATTGACGTTGATGGATGACTCCGGATGTGCTTATCTAATGAGCAGAGAAGCGAACCTGCGGA
 ATTATCCAGCATTTTGTGGAGAGCAGCAATCCCCACCCCTTCTCTGCTGCCTTTGAGAAAAAGCCA
 TGCCTACCCCTGGAAAATCTCTGTCTTCTCAGTTCCTCCAACATCTGCTGGCGCTGAAGAGAT
 GGACAGAGCCCGCCGCTGACAGTGTACCTAACCCTTTGAAAGAGACTCCTGCACAGTTTCGGAGTC
 GGCTTCACAGTTGCTAGATGGTCTGATCATGTTTTACCGAACCCTAACTGCCCTTCTCAAGCTTTTGG
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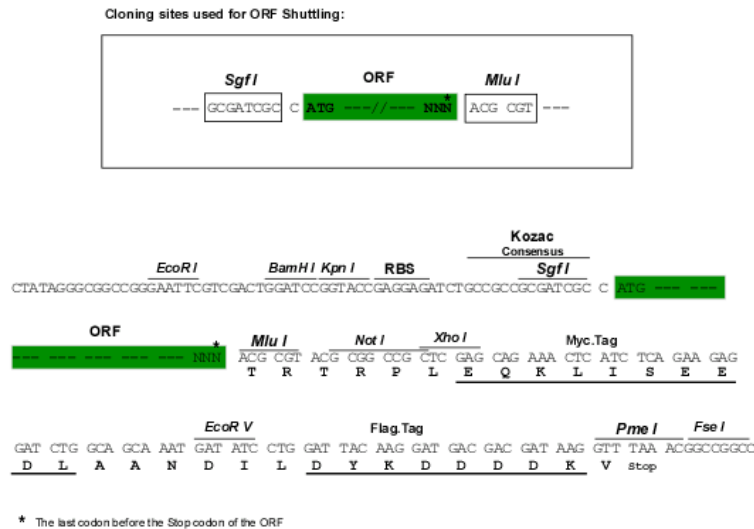
Protein Sequence: >RR209488 representing NM_001109378
 Red=Cloning site Green=Tags(s)

MDVQTWYLKTSKLALALAIHSPADRSSRQYAEQLAALVTQQESKQSKVEALEAEVLQLRQKFLSRI
 SSGLFKNGHDLPTLSDQDPTSSNTLTLMDDSGCVLSNEQRSEPAELSQHFEVSSNPPPLLLPLEKKP
 CATLENSLSSHMQFFQHLLALKRWTEPGRLTVYLTHERDSCTVSESASQLLDGLIMFYRNPKLPFSSFW
 TEAVGTLARLASDFRLSNHIFKRCCKLEEFETLLQAILGNNSINRFQVQRYVSQSLVTLGSCSLLRKS
 IVSLLLSEVNSFVDDLGAIDQDSNYDVTRYENIFSLFWILEQLLQQETQGDPIPHIDPSSPEIQKFLQK
 HDETILRLSDAFPLLTFYLWRLGVLLNSPEMETVKTESLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001109378

ORF Size: 1170 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_001109378.1, NP_001102848.1

RefSeq Size: 2830 bp

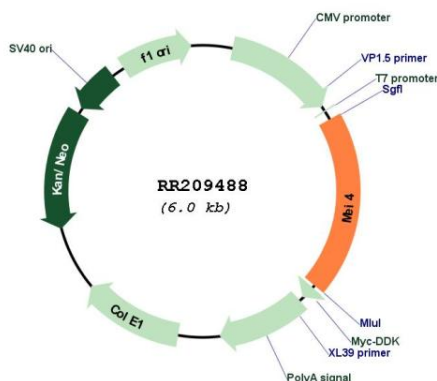
RefSeq ORF: 1173 bp

Locus ID: 679805

Cytogenetics: 8q31

MW: 44.3 kDa

Product images:



Circular map for RR209488