

Product datasheet for **RR216346**

Mettl9 (NM_001163164) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl9 (NM_001163164) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mettl9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216346 representing NM_001163164 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGACTGTTGGCGGGCTGGCTGTGCCTGAGCCTGGCGTCCGTGTGGCTGGCGCGGAGGATGTGGACGC
TGCGGAGCCCGCTCTCCCGCTCTGTACGTGAACATGACTAGCGGCCCTGGCGGGCCAGCGCGGCCAC
GGGCGGGCGGAAGGACACGCACCCAGTGGTATGTGTGCAACAGAGAGAAATTATGCGAATCACTTCAGTCT
GTCTTTGTTGAGAGTTATCTTGACCAAGGAACACAGATCTCTTAAACAACAGCATTGAGAAATCTGGCT
GGCTATTTATCCAACCTATCATTCTTTGTATCATCTGTTTTAGCCTGTTTATGTCTAGAACATCTAT
TAACGGGTTGCTAGGAAGAGGCTCCATGTTTGTGTTCTCACCAGATCAGTTTCAGAGACTGCTTAAAT
AATCCGGACTGGAAAACCCATAGACTTCTTGATTTAGGTGCTGGAGATGGAGAAGTCACGAAAATCATGA
GCCCTCATTTTGAAGAAATTTATGCCACTGAACTTTCTGAAACAATGATCTGCCAGCTCCAGAAGAAGAA
ATACAGAGTGCTTGGTATAAATGAATGGCAGAATACAGGGTCCAGTATGATGTCATCAGCTGCTTAAAT
CTGCTGGATCGCTGTGATCAGCCTCTGACATTGTTAAAAGATATCAGAAGTGTCTTGGAGCCACCCAAG
GCAGGGTCATCCTGGCCTTGGTTTTGCCCTTTCATCCCTATGTGAAAACGTAGGTGGCAAGTGGGAGAA
ACCATCAGAAATCTGGAATCAAGGGACAGAATTGGGAAGAGCAAGTGAATAGCCTGCCTGAGGTGTT
AGGAAAGCTGGCTTTGTCATCGAAGCTTCACTAGACTGCCATACCTGTGTGAAGGTGACATGTACAATG
ACTACTATGTTCTGGACGACGCTGTCTTTGTTCTCAGACCAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216346 representing NM_001163164
 Red=Cloning site Green=Tags(s)

MRLLAGWLCLSLASVWLARRMWTLSPLSRSLVYVNTSGPGGPAATGGGKDTHQWYVCNREKLCESLQS
 VVQSYLDQGTQIFLNNSIEKSGWLFIQLYHSFVSSVSLFMSRTSINGLLGRGSMFVSPDQFQRLKI
 NPDWKTHRLLDLGAGDGEVTKIMSPHFEEIYATELSETMIWQLQKKYRVLGINWQNTGFQYDVISCLN
 LLDRCDDQLTLKDIRSVLEPTQGRVILALVLPFHPYVENVGGKWEKPSEILEIKGQNWEEQVNSLPEVF
 RKAGFVIEAFTRLPYLCEGDMYNDYYVLDDAVFVLRPV

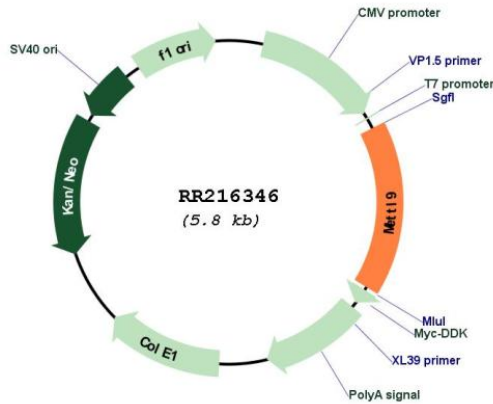
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001163164

ORF Size:	954 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:	<ol style="list-style-type: none">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_001163164.1 , NP_001156636.1
RefSeq Size:	1456 bp
RefSeq ORF:	957 bp
Locus ID:	100302453
Cytogenetics:	1q36
MW:	36.4 kDa