

Product datasheet for **RR205034**

Mettl6 (NM_001007623) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl6 (NM_001007623) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mettl6
Synonyms:	MGC94452
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205034 representing NM_001007623 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTTCTCTCCAAAGGAAAGGACCGCAAACAAGGATCTTAGCACTGGAGAAGAGGAGAAGCTGAAAA
GAGACCAAGCTTTGGTGTCTGCTTTTAAACAGCAAAAAGCTGGAAAAGAGGCTCAGAAAACTGGGACCT
TTTTTACAAAAGAACAGTACCAATTTTTCAAGGACAGACACTGGACTACCAGAGATTTGAGGAGCTA
AGATCATGTCGGGAGTATGAAGGTCAAAAATTGACTTTGTTGGAAGCCGGATGTGGGGTTGGAACTGTT
TATCCCACCTTTTAGAAGAAGACTCGAATATCTTTGCCTATGCCTGTGATTTTTCTCCAGGGCAGTTGA
CTACGTGAAGCAACATCCTTTGTACAACGCAGAGAGGTGTAAAGTGTCCAGTGTGACCTCACTAGAGAT
GACCTTCTTGACCACATCCCACCAGAGTCTGTGGATGCTGTCACATTGATCTTTGTGCTCTCGGCTGTGC
ACCCTGAGAAGATGCACCTCGTCTTACTAAATGTGTACAAGGTATTAACCAGGCAGAAGTGTCTTGT
CCGTGACTATGGGCTGAATGATCATGCCATGCTTAGATTTAAAGCCGGAAGCAAACCTGGAGAAAATTC
TATGTCAGACAGGATGGAACCAGATCATTTTTTTACTGATGAATTCCTGGCGAAGCTCTTTGTGGATG
CAGGTTATGAAGAAGTGGTGAACGAGTATGTGTTTCGAGAGACAGTGAATAAAAAGGAGGGCCTGTGTGT
GCCACGAGTTTTCTTCAGAGCAAGTTCCGGAAGCCCCGAAGGCCAGCTCTACCACTGACTCTGCT
TCACTTTTAAGAAAAGAAATTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205034 representing NM_001007623
 Red=Cloning site Green=Tags(s)

MTSLQRKGPQTRILSTGEEELKRDQALVSAFKQQKLEKEAQKNWDLFYKRNSTNFFKDRHWTTFEEEL
 RSCREYEGQKL T LLEAGCGVGNCLFPLLEEDSNIFAYACDFSPRAVDYVKQHPL YNAERCKVFQCDL TRD
 DLLLDHIPPESVDAVTLIFVLSAVHPEKMHLLVLLNVYKVLKPGRSVLF RDYGLNDHAMLRFKAGSKLGENF
 YVRQDGT RSYFFTDEFLAKL FVDAGYEEVVNEYVFRET VNKKEGLCVPRVFLQSKFRKPPKDPAPT DSA
 SLLRKEF

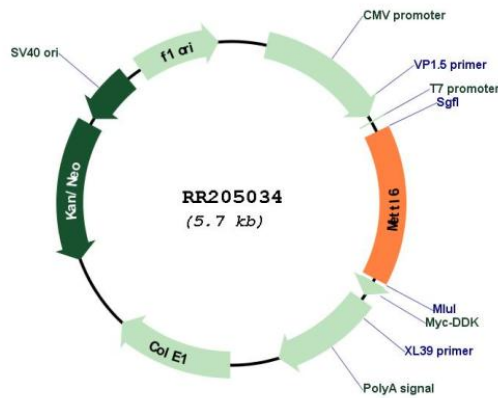
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007623

ORF Size: 861 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_001007623.1 , NP_001007624.1
RefSeq Size:	1671 bp
RefSeq ORF:	864 bp
Locus ID:	290564
UniProt ID:	Q6AXU8
Cytogenetics:	16p16
MW:	33.4 kDa
Gene Summary:	Probable methyltransferase.[UniProtKB/Swiss-Prot Function]