

Product datasheet for **RR205506**

Mettl24 (NM_001025038) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl24 (NM_001025038) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mettl24
Synonyms:	Mettl24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205506 representing NM_001025038 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**
GCCC

ATGGGCACAGCCAAGCCTCCGGGTCGTGGCTGTGGAGCCCTGCCCGGTGGCTGCTCGGCGCTGCCCTGC
 TTCTGGGCTGCGGCTCTGCATGGAGTTGCGCCACGCGGGCTCGGGACCCCGGCGCCGCGATCTCCG
 GGGGCCACCCGACACACCTGCTGCCGCCCGGGCCCTGCGCGAACCAGAAGGAGGCAGGTGACC
 TACGTGCGCAGTGGCGCCGAGCGCTGCCCGAGGTGGCGTGAGCAGACGCCCCGAGCCGAGCTGCT
 GTGCCAGCTCGGTCTTCCAGCAGGAAGGGTCCCGGTGGCACATAGAGCTCCAGCCATGGGCAGGCCC
 TTCTCGGTCCCTGGATGAAGAAGCCTCAAGGTTCTGAACTACATCGGTACCAACCAGATTGCATGCGAT
 CGCATGGGTACAAACAGCGTGGTACTGACTCCGCCCTGCGCTGAAGCCCTGGCTGGTGTGCTTGATG
 ACAGGTTTGGCTTAGCTCATCAATCCGCACCAAGCAATGCCGCCTCTACTCTTTAGGGCTGGGAGCGA
 CGACACGCACTTTGAGGTGAGCATGGCCAATGGTGGGTGTGAAGTGCATCGTTTCGATCCTAGTGTCAGA
 TCAGCCCACGTTCTGCAGAGCCAGCGCTCTGGCATCACCGCTTGTCATTGATTGGCGGACCCGCATC
 CAGCTGTGGCTGCTCAGAAGCCGTACAGCAACACCAGGAACTGGGAAGCATTTTGAATGAATTCGGGCA
 TCACAAGATTGATGTTCTCAAGGCAGATCTGAAAAGTGCCGAATGAAAAGTTCTAGAAAACCTTATTCTG
 GAGGATGTCCTTGAACAGATCGGCCAGCTCATCTTCGAGATTCTCCACTGGCCTGGTTTGGAGTCA
 GTGGCAGCGAGAGCAGCGTGGTGCAGTTTGGTACAGCCTCCTGAAGGAGCTGGAGCGGAAGGACTTCAG
 ACTTTTTCACACTTACAAAGACTTATCTAAACCGAGCTCTTCTGAAGAAGGACATTTTCAACGCTAGC
 AGCTGTTATACCTTGAGTTGGGTGAACACAAGATGGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR205506 representing NM_001025038
 Red=Cloning site Green=Tags(s)

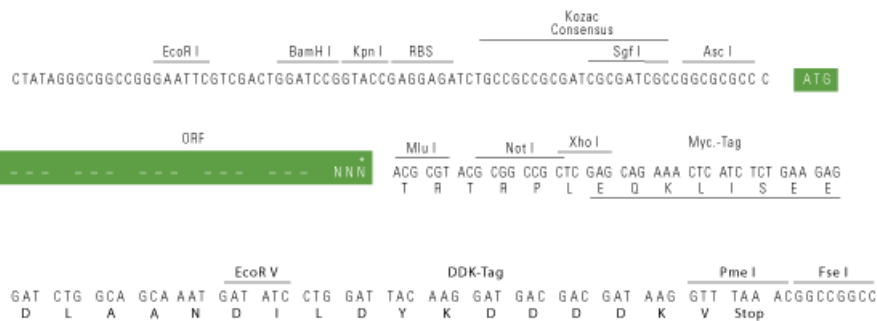
MGTAKPPGRGCGALPRWLLGAALLLGLRLCMELRHAGSGPPGRRDLRGPPTHLLPAGPLRGTRRRQVT
 YVRSGRRALPRGGVSTTPPEPSCCAQLGLPSRKGPWHIELQPWAGPSRSLDEEASRFLNYIGTTQIACD
 RMGTNSVATDSGPALKPWLVLDDRFGLAHQIRTKQCRLYSLGLGSDDTHEVSMANGGCEVHRFDPFSVR
 SAHVLQSQRLLWHRLSIDWRDPHPAVAAQKPYSNTRKLGSLNEFGHHKIDVLKADLESAEWKVLNLIL
 EDVLEIQQLIFEIHLHWPGEVSGSESSVVRFWYSLLKELERKDFRLFHTYKDLSPQLFLKKDIFNAS
 SCYTLSWYNTRWR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: AscI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001025038

ORF Size: 1089 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_001025038.1](#), [NP_001020209.1](#)

RefSeq Size: 1463 bp

RefSeq ORF: 1092 bp

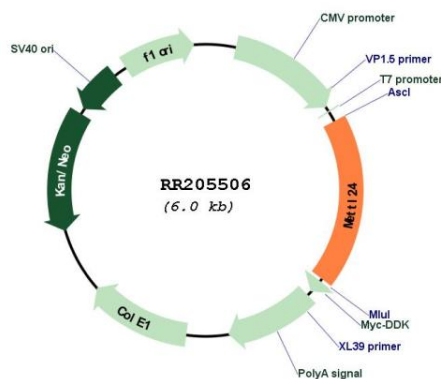
Locus ID: 499465

UniProt ID: [Q5BK01](#)

Cytogenetics: 20q13

MW: 41 kDa

Product images:



Circular map for RR205506