

Product datasheet for **RR202538**

Mettl3 (NM_001024794) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl3 (NM_001024794) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mettl3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR202538 representing NM_001024794
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGACACGTGGAGCTCTATCCAGGCCATAAGAAACAACCTGGACTCGCTTCGCGAGAGACTGCAGC
 GCGGGCGGAAGCAGGACTCTGGCACTTGGACTTAAGGAATCCAGAAGCAGCACTGTCCCAACCTTCCG
 TAGTGATAGCCAGTGCCTACTGCCCTACCTCTAGTGGCCCTAAGCCCAGCACAACTCTATAGTCCCT
 GAATTAGCTACAGACCCTGAGTTAGAGAAGAAGTTGCTACACCACCTCTCAGATCTCGCCTTAACCTTGC
 CCACTGATGCTGTATCCATCCGCTTGGCCATCTACGCCAGATGCACCTGCCACTCAAGATGGGGTAGA
 AAGCCTTCTACAGAAATTTGCTGCCAGGAGTTGATTGAGGTAAGCGAGGTCTCTACAAGATGACGCA
 CATCCCCTCTCGTAACCTATGCTGACCACTCAAAGCTGTCTGCCATGATGGGGCTGTGGCAGAAAAGA
 AAGGCCTTGGAGAGGCAGCAGGGACTATCACAGGGCAGAAACGGCGTGCAGAGCAGGACTTGACTACGT
 GGCTACCTTTACCAGCTTTTAGCATCTGGTCTGGGCTTTCAACATCAGAACCACTAAGGAGCCAGCT
 AAGAAATCAAGGAAGCAGCTGCCTCAGATGTTGACCTGGAGATAGAAAGCTTTTGAACCAACAGTCAA
 CTAAGGAACAGCAGAGCAAGAAGGTCAGTCAGGAGATCCTAGAGCTATTAATACCAACAAGCCAAAGGA
 ACAGTCCATTGTTGAAAAGTTCCGCTCTCGAGGTCGGGCCAGGTGCAAGAATTTTGTACTATGGGACC
 AAGGAAGAGTGCATGAAAGCCAGTGACGCTGATCGGCCTTGTGCAAGCTGCACTTCAGACGGATTATCA
 ACAAGCACACTGATGAGTCTTTAGGTGATTGCTCTTTCCTGAACACCTGCTTCCACATGGACACCTGCAA
 GTATGTCCACTATGAAATGACGCTGTGTGGATTCTGAGAGTCTGGCAGCAAGGAGCAGATGCCGAGC
 CAGGAGCTTGTCTTACACAGAGCGTTGGGGCGACTCCAGTGCAGACCGACTCTTCCACCCAGTGGGA
 TCTGTTGTGATATCCGCTACCTGGAGCTCAGTATCTTGGGCAAATTTGCAGTTGTGATGGCTGACCACC
 TTGGGATATTCACATGGAGCTACCGTATGGGACGTTAACAGATGACGAGATGCGCAGGCTCAATATACCA
 GTACTACAGGATGATGGCTTTCTTTTCTGCTGGGTCACAGGCAGGGCCATGGAATTTGGCAGAGAATGTC
 TGAACCTCTGGGTTACGAGCGGTTGGACGAGATCATCTGGTGAAGACCAATCAGCTGCAGCGCATCAT
 CAGGACAGGCCGGACAGGCCACTGGCTGAACCACGGGAAGGAGCACTGCTTGGTTGGTGTCAAAGGAAAT
 CCCCAAGGCTTCAACCAGGCTCTGGATTGCGATGTGATTGTAGCTGAGGTTGTTCCACCAGTCACAAAC
 CAGATGAAATATATGGCATGATTGAGAGACTGTCCCCTGGCACCCGAAAGATTGAGTTATTTGGACGACC
 ACACAATGTGCAGCCCACTGGATTACTCTTGGAAACCACTGGATGGGATACACCTTCTGGACCCAGAT
 GTGTTGCCCGTTTAAAGCACAGGTATCCAGATGGTGTCTCTAAACCTAAGAACTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202538 representing NM_001024794
 Red=Cloning site Green=Tags(s)

MSDTWSSIQAHHKQLDSLRLRERLQRRRKQDSGHLDLRNPEAALSPTRSDSPVPTAPTSSGPKPSTTSIVP
 ELATDPELEKLLHHLSDLALTLPTDAVSIRLAISTPDAPATQDGVESLLQKFAAQELIEVKRGLLQDDA
 HPTLVYADHSLK SAMMGAVAEKKGLGEAAGTITGQKRRAEQDL TTVATFTSSLASGLSSTSEPAKEPA
 KKSRRKHAASDVLEIESLLNQSTKEQQSKKVSQEILELLNTTTAKEQSIVEKFRSRGRAQVQEFCDYGT
 KECEMKASDADRPCRKLHFRIINKHTDESLGDCSFLNTCFHMDTCKYVHYEIDACVDSESPGSKHEMPS
 QELALATQSVGGDSSADRLFPQWICCDIRYLDVSI LGKFAVVMADPPWDIHMELPYGTLTDEMRRLLNIP
 VLQDDGFLFLWVTGRAMELGRECLNLWGYERVDEIIWVKTNQLQRIIRTGRTGHWLNHGKEHCLVGVKGN
 PQGFNQGLDCDVI VA EVRSTSHKPDEIYGMIERLSPGTRKIELFGRPHNVQPNWITLGNQLDGIHLLDPD
 VVARFKHRYPDGVI SKPKNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

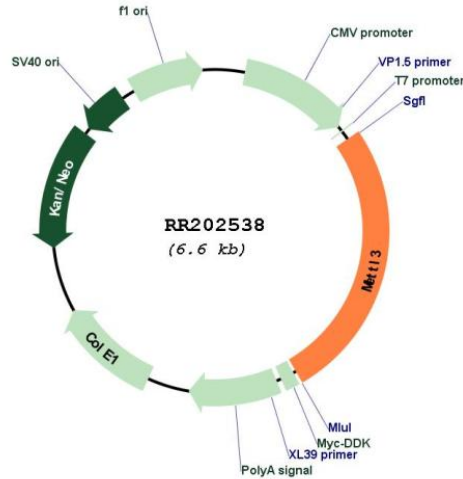
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001024794

ORF Size:	1740 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_001024794.1 , NP_001019965.1
RefSeq Size:	1933 bp
RefSeq ORF:	1743 bp
Locus ID:	361035
Cytogenetics:	15p14
MW:	64.7 kDa