

Product datasheet for **RR209601**

Mettl14 (NM_001106470) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl14 (NM_001106470) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mettl14
Synonyms:	RGD1304822
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR209601 representing NM_001106470
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAGTTTGGGAGCTGAGAGTGCAGATAGCATTGGTGTGTGTTAAACAGCAAAGATGAACAGAGGGAGA
 TCGCTGAAACAAGAGAACTTGCAGGGCTTCTATGATACTTCTGCTCCAAATTCAAAACGGAAGTGTCT
 GGATGAAGGAGAGACGGATGAAGATAAAGTAGAAGAATATAAGGATGAAGTAGAAATGCAACAGGAAGAA
 GAAAAATTTGCCATATGAAGAAGAGATTTACAAAGATTCCAGTACCTTCCTTAAGGGAACGCAGAGCTTAA
 ATCCCCATAATGATTACTGCCAGCATTTGTAGACACTGGACATAGACCTCAGAATTTTCATCAGGGATGT
 AGGCCTAGCCGACAGATTTGAAGAATACCCTAACTTAGGGAGCTCATCAGACTGAAGGATGAGCTGATA
 GCTAAGTCAAATACTCCTCCATGTACTTACAGGCAGACATAGAAGCCTTGACATCAGAGAATTGACAC
 CCAAGTTTGATGTGATTCTTCTGGAGCCTCCTCTGGAAGAATACTACAGAGAGACCGGCATCGTGCAAA
 CGAGAAGTGCTGGACGTGGGACGATATCATGAAGTTAGAAATCGATGAGATCGCAGCACCTCGGTCAATTT
 ATATTTCTCTGGTGCCTCTGGGGAAGGATTGGACCTTGGGAGAGTATGTTTGCGAAAGTGGGGTTACA
 GAAGATGTGAAGATATTTGTTGGATTAAACCAATAAGAACAATCCTGGAAGACAAAGACCCTAGATCC
 AAAGGCCGTTTTCCAGAGGACAAAGGAGCACTGCCTTATGGGGATCAAAGGAACCGTGAAGCGAAGCACA
 GATGGGGACTTCATTCATGCTAATGTTGACATTGACTTAATTATCACAGAGGAACCTGAGATTGGCAACA
 TAGAAAAGCCCGTGGAGATTTTTCACATAATAGAGCACTTTTGTCTCGGTAGAAGACGCCTTCATCTCTT
 CGGGAGGGACAGCACTATCAGGCCAGGTGGCTCACAGTTGGACCAACGCTTACAAATAGTAACATAAT
 GCAGAAACCTACGCGTCTACTTCAGTGCCCCCAATTCATACTGACTGGATGTACCGAGGAAATTGAGA
 GGCTTAGACCGAAGTCACTCCTCCCAATCCAAGTCTGACCGTGGTGGAGCTCCAGAGGTGGAGG
 GAGAGGGGGAACATCTGCTGGCCGTGGTGAACGAAATCGATCCAATTTCCGAGGAGAAAGAGGTGGC
 TTTAGGGGGGTCTGGAGGGACACACAGAGGTGGCTTTACACCTCGG

AC**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

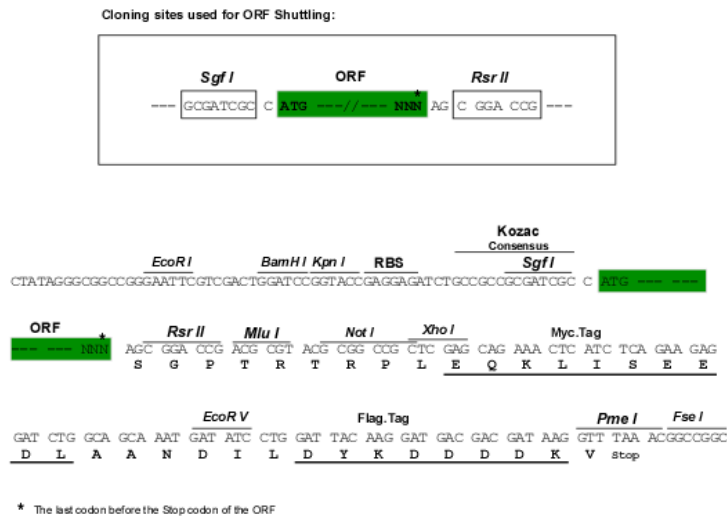
>RR209601 representing NM_001106470
 Red=Cloning site Green=Tags(s)

MSLGAESADSIGAVLNSKDEQREIAETRETCRASDYDTSAPNSKRKCLDEGETDEDKVEEYKDELEMQQEE
 ENLPYEEIYKDSSTFLKGTQSLNPHNDYQHFVDTGHRPQNFIRDVGLADRFEYPKLRELIRLKDELI
 AKSNTPPMYLQADIEAFDIRELTPKFDVILLEPPEEYRETGIAANEKWTWDDIMKLEIDEIAAPRSF
 IFLWCGSGEGLDLGRVCLRWGYRRCEDICWIKTNKNNPGKTKLDPKAVFQRTKEHCLMGIKGTVKRST
 DGDFIHANVDIDLIIITEEPEIGNIEKPVEIFHIIHFCLGRRRLHLFGRDSTIRPGWLTVGPTLTNSNYN
 AETYASYFSAPNSYLTGCTEEIERLRPKSPPPKSKSDRGGGAPRGGGRGGT SAGRGRERNRNSNFRGERGG
 FRGGRGGTHRGFTPR

SGPTRTRPLE**QKLI**SEEDLA**ANDILDYKDDDDK**V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001106470

ORF Size: 1308 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_001106470.1](#), [NP_001099940.1](#)

RefSeq Size: 2596 bp

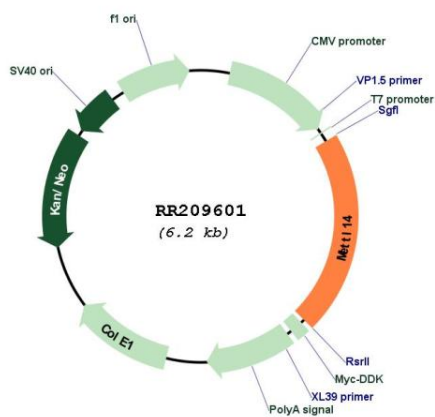
RefSeq ORF: 1311 bp

Locus ID: 295428

Cytogenetics: 2q42

MW: 49.5 kDa

Product images:



Circular map for RR209601