

Product datasheet for **MC207545**

Mettl9 (NM_021554) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mettl9 (NM_021554) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mettl9
Synonyms: 0610012D09Rik; AA517660; Drev; MNCb-5680
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207545 representing NM_021554
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGACTGTTGGCGGGCTGGCTGTGCCTGAGCCTGGCGTCCGTGTGGCTGGCGGGAGGATGTGGACGC
TGGGAGCCCGCTCTCCCGCTCCCTGTACGTGAACATGACTAGCGGCCCGCGGGCCAGCGCGGCCGC
GGCGGGCGGAAGGACACGCACCAGTGGTATGTGTGCAACAGAGAAAATATGCGAATCACTTCAGTCT
GTCTTTGTTTACAGATTATCTTGACCAAGGAACACAGATCTTCTTAAACAACAGCATTGAGAAATCTGGCT
GGCTATTTATCCAATCTATCATTCTTTTGTATCATCTGTTTTAGCCTGTTTATGTCTAGAATCTAT
TAACGGGTTGCTAGGAAGAGGCTCCATGTTTGTGTTCTCACCAGATCAGTTTCAGAGACTGCTTAGAATT
AATCCGGACTGGAAAACCCATAGACTTCTTGATTTAGGTGCTGGAGATGGAGAAGTCACGAAAATCATGA
GCCCTCATTTTGAAGAAATTTACGCCACTGAGCTTTCTGAAACAATGATCTGGCAGCTCCAGAAGAAGAA
ATACAGAGTGCTTGGTATAAATGAATGGCAGAATACAGGGTCCAGTATGATGTCATCAGCTGCTTAAAT
TTGCTGGATCGCTGTGATCAGCCCCTGACATTGTTAAAAGATATCAGAAGTGTCTTGAGCCCACCCAAG
GCAGGGTCATCCTGGCATTGGTTTTGCCCTTTCATCCCTATGTAGAAAACGTAGGTGGCAAGTGGGAGAA
ACCATCAGAAATCTGGAATCAAGGGACAGAATTGGGAAGAGCAAGTGAATAGCCTGCCTGAGGTGTTT
AGAAAAGCCGGCTTTGTCGTCGAAGCTTTCACTAGACTGCCATACCTGTGTGAAGCGCATGTACAATG
ACTACTATGTTCTGGACGATGCTGTCTTTGTTCTCAGACCAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021554
Insert Size: 957 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_021554.2 , NP_067529.2
RefSeq Size:	1850 bp
RefSeq ORF:	957 bp
Locus ID:	59052
UniProt ID:	Q9EPL4
Cytogenetics:	7 F2
Gene Summary:	Protein-histidine N-methyltransferase that specifically catalyzes 1-methylhistidine (pro-methylhistidine) methylation of target proteins (PubMed:33563959). Mediates methylation of proteins with a His-x-His (HxH) motif (where 'x' is preferably a small amino acid) (PubMed:33563959). Catalyzes methylation of target proteins such as S100A9, NDUFB3, SLC39A5, SLC39A7, ARMC6 and DNAJB12; 1-methylhistidine modification may affect the binding of zinc and other metals to its target proteins (PubMed:33563959). Constitutes the main methyltransferase for the 1-methylhistidine modification in cell (PubMed:33563959). [UniProtKB/Swiss-Prot Function]