

Product datasheet for **MR204594L3V**

Mettl9 (NM_021554) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mettl9 (NM_021554) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mettl9
Synonyms:	0610012D09Rik; AA517660; Drev; MNCb-5680
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_021554
ORF Size:	957 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204594).
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.
RefSeq:	NM_021554.2 , NP_067529.2
RefSeq Size:	1850 bp
RefSeq ORF:	957 bp
Locus ID:	59052
UniProt ID:	Q9EPL4
Cytogenetics:	7 F2



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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, NDUF3, 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]