

Product datasheet for **TP504594**

Mettl9 (NM_021554) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse methyltransferase like 9 (Mettl9), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR204594 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MRLLAGWLCLSLASVWLARRMWTLRSPLSRSLYVNMTSGPGGPAAGGGKDTHTQWYVCNREKLCESLQS
VYVQSYLDQGTQIFLNNSIEKSGWLFQIYHSFVSSVFLFMSRTSINGLLGRGSMFVSPDQFQRLRLRI
NPDWKTHRLLDLGAGDGEVTKIMSPHFEEIYATELSETMIWQLQKKYRVLGINWQNTGFQYDVISCLN
LLDRCDQPLTLLKDIRSVLEPTQGRVILALVLPFHPYVENVGGKWEKPSEILEIKGQNWEEQVNSLPEVF
RKAGFVVEAFTRLPYLCEGDMYNDYYVLDDAVFVLRPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	36.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_067529</u>
Locus ID:	59052
UniProt ID:	<u>Q9EPL4</u>



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RefSeq Size: 1850

Cytogenetics: 7 F2

RefSeq ORF: 957

Synonyms: 0610012D09Rik; AA517660; Drev; MNCb-5680

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]