

**METL5 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP5382c****Specification**

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**METL5 Blocking Peptide (Center) - Product Information**

Primary Accession [O9NRN9](#)  
Other Accession [NP\\_054887.2](#)

**METL5 Blocking Peptide (Center) - Additional Information**

**Gene ID** 29081

**Other Names**

Methyltransferase-like protein 5, 211-, METTL5

**Target/Specificity**

The synthetic peptide sequence is selected from aa 90-103 of HUMAN METTL5

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**METL5 Blocking Peptide (Center) - Protein Information**

**Name** METTL5 {ECO:0000303|PubMed:31328227, ECO:0000312|HGNC:HGNC:25006}

**Function**

Catalytic subunit of a heterodimer with TRMT112, which specifically methylates the 6th position of adenine in position 1832 of 18S rRNA (PubMed:<a href="http://www.uniprot.org/citations/31328227" target="\_blank">31328227</a>, PubMed:<a href="http://www.uniprot.org/citations/32217665" target="\_blank">32217665</a>, PubMed:<a href="http://www.uniprot.org/citations/33357433" target="\_blank">33357433</a>, PubMed:<a href="http://www.uniprot.org/citations/33428944" target="\_blank">33428944</a>, PubMed:<a href="http://www.uniprot.org/citations/35033535" target="\_blank">35033535</a>). N6-methylation of adenine(1832) in 18S rRNA resides in the decoding center of 18S rRNA and is required for translation and embryonic stem cells (ESCs) pluripotency and differentiation (PubMed:<a href="http://www.uniprot.org/citations/33357433" target="\_blank">33357433</a>).

**Cellular Location**

Nucleus. Presynapse. Postsynapse

**Tissue Location**

Expressed from very early development (8 post- conceptual weeks) and expression persists through adulthood in multiple substructures of the brain, including the cerebellar cortex, hippocampus, and striatum.

**METL5 Blocking Peptide (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**METL5 Blocking Peptide (Center) - Images****METL5 Blocking Peptide (Center) - References**

Hillier, L.W., et al. Nature 434(7034):724-731(2005)