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METL5 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP5382c

Specification

METL5 Blocking Peptide (Center) - Product Information

Primary Accession	Q9NRN9
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:31328227, PubMed:32217665, PubMed:33357433, PubMed:33428944, PubMed:35033535).
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:33357433).

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)