

HEMK2 Protein, Human (His)

Cat. No.:	HY-P77376
Synonyms:	Methyltransferase N6AMT1; Lysine N-methyltransferase 9; N6AMT1; C21orf127; HEMK2; KMT9; PRED28
Species:	Human
Source:	E. coli
Accession:	Q9Y5N5-2 (M1-S186)
Gene ID:	29104
Molecular Weight:	Approximately 23 kDa

PROPERTIES

AA Sequence	<p>M A G E N F A T P F H G H V G R G A F S D V Y E P A E D T F L L L D A L E A A A</p> <p>A E L A G V E I C L E V G S G S G V V S A F L A S M I G P Q A L Y M C T D I N P</p> <p>E A A A C T L E T A R C N K V H I Q P V I T D L V G S H G I E A A W A G G R N G</p> <p>R E V M D R F F P L V P D L L S P R G L F Y L V T I K E N N P E E I L K I M K T</p> <p>K G L Q G T T A L S R Q A G Q E T L S V L K F T K S</p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Human HEMK2 is present at 10 µg/mL, can bind N6AMT1 Polyclonal antibody. The ED ₅₀ for this effect is 5.677 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	HEMK2 protein, based on available information, does not interact with TRMT112. TRMT112 is a protein known to form complexes with certain methyltransferases and influence their enzymatic activities. The absence of interaction between HEMK2 and TRMT112 suggests a unique molecular profile for HEMK2, distinct from other methyltransferases that may engage with TRMT112 for functional modulation. Understanding the specific protein-protein interactions and regulatory
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associations of HEMK2 is crucial for unraveling its role in cellular processes and potential contributions to biological pathways. Further research is needed to elucidate the precise functions and implications associated with HEMK2, particularly in the context of its distinct interaction patterns. (

Caution: Product has not been fully validated for medical applications. For research use only.

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