

Human N6AMT1 / HEMK2 Protein (His Tag)



Sino Biological
Biological Solution Specialist

Catalog Number: 12399-H08E

General Information

Gene Name Synonym:

C21orf127; HEMK2; m.HsaHemK2P; MTQ2; N6AMT; PRED28

Protein Construction:

A DNA sequence encoding the mature form of human N6AMT1 (AAH11554.1) (Met 1-Ser 186) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met 1

Molecular Mass:

The recombinant human N6AMT1 comprises 196 amino acids and has a calculated molecular mass of 21.2 kDa. It migrates as an approximately 23 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, pH 8.0

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

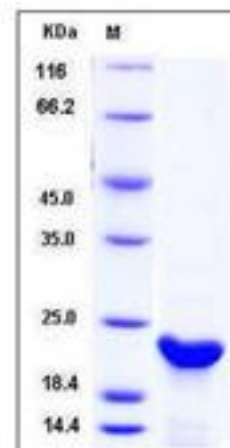
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. Ren X, *et al.* (2011) Involvement of N-6 adenine-specific DNA methyltransferase 1 (N6AMT1) in arsenic biomethylation and its role in arsenic-induced toxicity. *Environ Health Perspect.* 119(6): 771-7. 2. Yang Z, *et al.* (2004) Structural characterization and comparative phylogenetic analysis of Escherichia coli HemK, a protein (N5)-glutamine methyltransferase. *J Mol Biol.* 340(4): 695-706. 3. Bujnicki JM, *et al.* (1999) Is the HemK family of putative S-adenosylmethionine-dependent methyltransferases a missing zeta subfamily of adenine methyltransferases? A hypothesis. *IUBMB Life.* 48(3): 247-9.

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For US Customer: Fax: 267-657-0217

• Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288

• Tel:+86-400-890-9989

• <http://www.sinobiological.com>