
Product Data Sheet

Product Name: N6AMT1 Human
 Cat. No.: GP21966
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	N-6 Adenine-Specific DNA Methyltransferase 1 (Putative); N(6)-Adenine-Specific DNA Methyltransferase 1; HemK Methyltransferase Family Member 2; M.HsaHemK2P; C21orf127;HEMK2; Chromosome 21 Open Reading Frame 127; N6-DNA-Methyltransferase; EC2.1.1.- ; PRED28; N6AMT; MTQ2; HemK methyltransferase family member 2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAGENFA TPFHGHVGRG AFSDVYEPAE DTFLLNLALE AAAAELAGVEICLEVGSGSG VVSAFLASMI GPQALYMCTD INPEAAACTL ETARCNKVHI QPVITDLVKG LLPRLTEKVDLLVFNPPYVV TPPQEVGSHG IEAAWAGGRN GREVMDFRFFPLVPDLLSPRG LFYLVTIKEN NPPEILKIMK TKGLQGTTAL SRQAGQETLSVLKFTKS.		
Formulation	N6AMT1 protein solution (0.25 mg/ml) containing Phosphatebuffered saline (pH7.4), 20% glycerol and 1mM DTT.		

Introduction

N-6 Adenine-Specific DNA Methyltransferase 1, also known as N6AMT1 is part of the methyltransferase family. N6AMT1 is implicated in the methylation of release factor I during translation termination. In addition, N6AMT1 is involved in converting the arsenic metabolite monomethylarsonous acid to the less toxic dimethylarsonic acid.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

N6AMT1 Human Recombinant produced in E.Coli is a single, non-glycosylated

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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polypeptide chain containing 237 amino acids (1-214 a.a) and having a molecular mass of 25.3kDa. N6AMT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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