

Recombinant Human N-6 adenine-specific DNA methyltransferase 1 (putative), His-tagged

Cat. No. N6AMT1-648H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	N6AMT1, 1-214aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-214 a.a.
Description	N6AMT1 is a member of methyltransferase family, may be involved in the methylation of release factor I during translation termination. This protein is also involved in converting the arsenic metabolite monomethylarsonous acid to the less toxic dimethylarsonic acid. Alternate splicing results in multiple transcript variants. Recombinant human N6ATM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT
Molecular Mass	25.3 kDa (237aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGENFA TPFHGHVGRG AFSDVYEPAE DTFLLNLALE AAAAELAGVE ICLEVGSGSG VVSAFLASMI GPQALYMCTD INPEAACTL ETARCNKVHI QPVITDLVKG LLPRLTEKVD LLVFNPYPYV TPPQEVGSHG IEAAWAGGRN GREVMDFRFP LVPDLLSPRG LFYLVTIKEN NPEEILKIMK TKGLQGTTAL SRQAGQETLS VLKFTKS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>85 % by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	N6AMT1 N-6 adenine-specific DNA methyltransferase 1 (putative) [Homo sapiens]
Official Symbol	N6AMT1
Synonyms	N6AMT1; N-6 adenine-specific DNA methyltransferase 1 (putative); C21orf127, chromosome 21 open reading frame 127 , HemK methyltransferase family member 2 , HEMK2; hemK methyltransferase family member 2; MTQ2; N6AMT; PRED28; m.HsaHemK2P; N6-DNA-methyltransferase; n(6)-adenine-specific DNA methyltransferase 1; HEMK2; C21orf127; FLJ11616; MGC19995;
Gene ID	29104
mRNA Refseq	NM_013240
Protein Refseq	NP_037372
MIM	614553
UniProt ID	Q9Y5N5
Chromosome Location	21q21.3

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Function

nucleic acid binding; protein binding; protein methyltransferase activity; transferase activity;

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