

AR51691PU-S

Human N6AMT1 / HEMK2 (1-214, His-tag) - Purified

Alternate names:

C21orf127, HemK methyltransferase family member 2, M.HsaHemK2P, N(6)-adenine-specific DNA methyltransferase 1, PRED28

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9Y5N5](#)

NCBI:

[NP_037372](#)

GeneID:

[29104](#)

Species:

Human

Source:

E. coli

Format:

Purity: >85% by SDS - PAGE

Buffer System: Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT.

Description:

Recombinant human N6ATM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMAGENFA TPFHGHVGRG AFSDVYEPAE DTFLLNLALE
AAAAELAGVE ICLEVSGSG VVSAFLASMI GPQALYMCTD INPEAACTL ETARCNKVHI
QPVITDLVKG LLPRLTEKVD LLVFNPPYV TPPQEVGSHG IEAAWAGGRN GREVMDFRFP
LVPDLLSPRG LFYLVTIKEN NPEEILKIMK TKGLQGTTAL SRQAGQETLS VLKFTKS

Molecular weight: 25.3 kDa (237aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Figaro S., et al. (2008) FEBS Lett. 582:2352-2356 Ren X., et al. (2011) Environ. Health Perspect. 119:771-777

Pictures:

