

Product datasheet for **RC217745**

HEMK2 (N6AMT1) (NM_013240) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEMK2 (N6AMT1) (NM_013240) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	N6AMT1
Synonyms:	C21orf127; HEMK2; m.HsaHemK2P; MTQ2; N6AMT; PRED28
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC217745 representing NM_013240 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGCAGGGGAGAACTTCGCTACGCCGTTCCACGGGCACGTGGGCCGGCGCCTTCAGCGACGTGTACG
AGCCCCGGGAGGACACGTTTCTGCTTTTGAACGCGCTGGAGGCAGCGGCTGCCGAAGTGGCAGGAGTGGA
AATATGCCTGGAAGTAGGGTCAGGGTCTGGTGTAGTATCTGCATTCTAGCCTCTATGATAGGCCCTCAG
GCTTTGTACATGTGCACTGATATCAACCCTGAGGCAGCAGCTTGACCTAGAGACAGCAGCTGTAACA
AAGTTCACATTCAACCAGTTATTACAGATTTGGTCAAAGGCTTGCTACCAAGATTGACCGAAAAAGTTGA
TCTTCTGGTGTAAATCCCCCTATGTAGTGACTCCACCTCAAGAGGTAGGAAGTACCGGAATAGAGGCA
GCTTGGGCTGGTGGCAGAAATGGTCGGGAAGTCATGGACAGGTTTTTCCCCTGGTTCAGATCTCCTTT
CACCAAGAGGATTATTCTATTTAGTTACCATTAAGAAAAACAACCCAGAAGAAATTTGAAAATAATGAA
GACAAAAGTCTGCAAGGAACCACTGCACTTCCAGACAAGCAGGCCAAGAACTCTTTCAGTCTCAAG
TTCACCAAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217745 representing NM_013240
 Red=Cloning site Green=Tags(s)

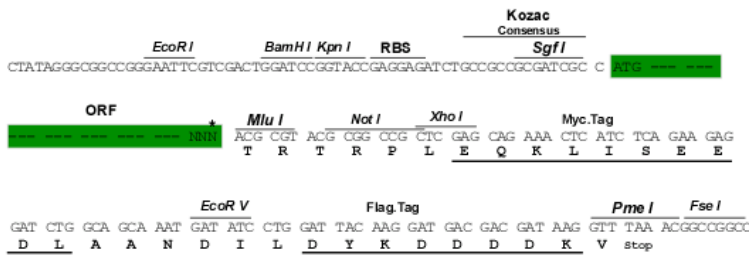
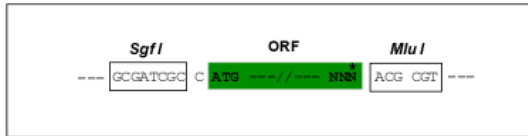
MAGENFATPFHGHVGRGAFSDVYEPaedtFLLLNALEAAAAELAGVEICLEVSGSGVVSFAFLASMIGPQ
 ALYMCTDINPEAAACTLETARCNKVHIQPVITDLVKGLLPRLTEKVDLLVFNPPYVVTTPPQEVGSHGIEA
 AWAGRNGREVMDFRFFPLVPDLLSPRGLFYLVTIKENNPEEILKIMKTKGLQGTALSRQAGQETLSVLK
 FTKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

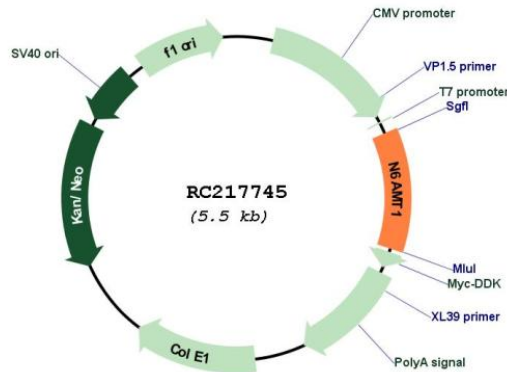
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_013240

ORF Size: 642 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_013240.4 , NP_037372.3
RefSeq Size:	1010 bp
RefSeq ORF:	645 bp
Locus ID:	29104
Protein Families:	Druggable Genome
MW:	23 kDa
Gene Summary:	This gene encodes an N(6)-adenine-specific DNA methyltransferase. The encoded enzyme may be involved in the methylation of release factor I during translation termination. This enzyme is also involved in converting the arsenic metabolite monomethylarsonous acid to the less toxic dimethylarsonic acid. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 11. [provided by RefSeq, Jul 2014]