

Product datasheet for **SC312484**

HEMK2 (N6AMT1) (NM_013240) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEMK2 (N6AMT1) (NM_013240) Human Untagged Clone
Tag:	Tag Free
Symbol:	N6AMT1
Synonyms:	C21orf127; HEMK2; KMT9; m.HsaHemK2P; MTQ2; N6AMT; PRED28; PrmC
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_013240, the custom clone sequence may differ by one or more nucleotides ATGGCAGGGGAGAACTTCGCTACGCCGTTCCACGGGCACGTGGGCCGCGGCCTTCAGC GACGTGTACGAGCCCGGAGGACAGTTTCTGCTTTTGAACGCGCTGGAGGCAGCGCT GCCGAACTGGCAGGAGTGAAATATGCCTGGAAGTAGGGTCAGGGTCTGGTGTAGTATCT GCATTCTAGCCTCTATGATAGGCCCTCAGGCTTTGTACATGTGCACTGATATCAACCCT GAGGCAGCAGCTTGTACCCTAGAGACAGCAGCTGTAACAAAGTTCACATTCAACCAGTT ATTACAGATTTGGTCAAAGGCTTGCTACCAAGATTGACCGAAAAAGTTGATCTTCTGGTG TTTAATCCCCCTATGTAGTGACTCCACCTCAAGAGGTAGGAAGTCACGGAATAGAGGCA GCTTGGGCTGGTGCAAAAATGGTCGGGAAGTCATGGACAGGTTTTTCCCTGGTTCCA GATCTCCTTTCACCAAAAGGATTATTCTATTTAGTTACCATTAAGAAAAACAACCAGAA GAAATTTTGAAAAATGAAAGACAAAAGGTCTGCAAGGAACCACTGCACTTTCAGACAA GCAGGCCAAGAACTCTTTCAGTCTCAAGTTCACCAAGTCT
Restriction Sites:	Please inquire
ACCN:	NM_013240
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_013240.2](#), [NP_037372.1](#)

RefSeq Size: 924 bp

RefSeq ORF: 645 bp

Locus ID: 29104

UniProt ID: [Q9Y5N5](#)

Cytogenetics: 21q21.3

Protein Families: Druggable Genome

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]

Transcript Variant: This variant (1) encodes the longer isoform (1).