

Product datasheet for **SC321454**

HEMK2 (N6AMT1) (NM_182749) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEMK2 (N6AMT1) (NM_182749) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEMK2
Synonyms:	C21orf127; HEMK2; KMT9; m.HsaHemK2P; MTQ2; N6AMT; PRED28; PrmC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_182749.2
CGAAGGACTATGGCAGGGGAGAAGTTCGCTACGCCGTTCCACGGGCACGTGGGCCGCGGC
GCCTTCAGCGACGTGTACGAGCCCGGAGGACACGTTTTCTGCTTTTGGACGCGCTCGAG
GCAGCGGCTGCCGAAGTGGCAGGAGTGGAAATATGCCTGGAAGTAGGGTCAGGGTCTGGT
GTAGTATCTGCATTCTAGCCTCTATGATAGGCCCTCAGGCTTTGTACATGTGCACTGAT
ATCAACCTGAGGCAGCAGCTTGTACCCTAGAGACAGCAGCTGTAAACAAAGTTCACATT
CAACCAGTTATTACAGATTTGGTAGGAAGTACCGAATAGAGGCAGCTTGGGCTGGTGGC
AGAAATGGTCGGGAAGTCATGGACAGGTTTTTCCCTGGTTCAGATCTCCTTTCACCA
AGAGGATTATTCTATTTAGTTACCATTAAGAAAAACAACCCAGAAGAAATTTGAAAATA
ATGAAGACAAAAGTCTGCAAGGAACCACTGCACTTTCCAGACAAGCAGGCCAAGAAACT
CTTTCAGTCCTCAAGTTCACCAAGTCTTAGCATACAGTGTGTGCCCAGAACTACTGGAAA
CTGAATGCATTTAGCATATTTGAAACTGAAGTCATTCATTAGGTAAACAAGGAATTTAT
CAGAAATTTGTCATTAAGGTAAGGTAAGGTAAGGTAAGGTAAGGTAAGGTAAGGTAAGGTA
AGAATTATTTGCACAAGTACAAGTAAATATGTGTATTATAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_182749
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.



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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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_182749.2</u> , <u>NP_877426.2</u>
RefSeq Size:	4799 bp
RefSeq ORF:	561 bp
Locus ID:	29104
UniProt ID:	<u>Q9Y5N5</u>
Cytogenetics:	21q21.3
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p>