

Product datasheet for **SC122326**

HEMK1 (BC000781) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HEMK1 (BC000781) Human Untagged Clone
Tag: Tag Free
Symbol: HEMK1
Synonyms: HEMK; MTQ1
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for BC000781 edited

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CAACTATATCTGAGGACCAGAGCCATTTTGGGGCACCAGAGCTTGTGACCTCTCCATCTC  
CAGGAGCTGGGTCCAGGGCCACTCTCAGCACTCACCTCAGCAGCTGACATCATAAAGC  
AGACTTGGGAACCTGGAAGCACTCTGGAGAACCTTTCCCTGAGACATGGAGCTTTGGGGC  
CGAATGCTGTGGGCCCTCCTGTCTGGCCAGGGAGGAGGGGAAGTACCCGGGGCTGGGCC  
TTCAGCTCATGGCAACCCCAACCACCTCTGGCTGGGTTATCCAGTGCCATAGAAGTGGTC  
AGCCACTGGACTGGGTCTTTGAGAAGAGGGGTATCCCTGAGGCCGGGAATCCAGTGAG  
TACATCGTGGCTCATGTCCTTGGAGCCAAAACATTTAGAGCCTGAGGCCGGCACTTTGG  
ACCCAGCCCTTGACCTCTCAGCAACTACAGTGTATCCGGGAGCTGAGTAGCCGTCGATTG  
CAGAGGATGCCGGTGCAGTACATCCTTGGAGAGTGGGACTTCCAGGGGCTCAGCCTAAGG  
ATGGTGCCCCAGTGTTTATCCGCGGCCAGAAACAGAGGAAGTGGTTGAGTGGGTGCTG  
GAAGAGGTGGCCAGAGGTCCCATGCTGTGGGATCCCCAGGCAGCCCCCTCATTCTGGAG  
GTGGGCTGCGGATCAGGAGCCATCTCCCTCAGCCTGCTGAGCCAGCTCCCCAGAGCCGA  
GTCATTGCTGTGGATAAGCGGGAAGCTGCTATCTCTGACCCATGAGAATGCTCAGAGG  
CTTCGGTTGCAGGACAGGATTTGGATCATCCACCTCGACATGACCTCAGAAAGGAGCTGG  
ACACACCTGCCCTGGGGCCCCATGGACCTGATTGTCAGCAACCCCTCCCTACGTCTCCAC  
CAGGACATGGAGCAGCTGGCCCCTGAGATCCGCAGCTATGAAGACCCCGCGGCCCTGGAT  
GGTGGGAGGAGGCATGGACATCATTACCCACATTCTGGCCTTGGCACCCCGGCTCCTG  
AAAGACTCTGGTAGTATCTTCTTAGAAGTGGACCCAAGGCACCCGGAGCTTGTGAGCAGC  
TGGCTTACAGAGCCGGCCTGACCTGTACCTTAATCTTGTGGCTGTGCGCAGGGACTTCTGT  
GGGAGGCCCGGTTCTGCATATCCGGAGGTCTGGGCCATAGCATGGCTGCCCTGTGGAT  
GCCTTGTGAGTCCGCCAGCCTGACCAGAGGGGAGGTGGATGGCACTTTCCAGAGCCAG  
GTTCTTATGGCATTTCAGGGTCTGTGATTTCCCCATGCTCTGCATTTCTAGGATATT  
TCTAGGACACCTGGATTGGCTCCATCACATCAGAGTGGCTGAGGGCAGTTGCTCTGTGTT  
GGTGAAATTGCTGTGGGGTATCGGGGATATGGCCAGTAAAGTATTGAGAGACTAAAAA  
AAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC000781 unedited NACGTCAGGAATTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGCAACTAT ATCTGAGGACCAGAGCCATTTTGGGGCACCAGAGCTTGTGACCTCTCCATCTCCACCCAG CTGGGTCCAGGGGCCACTCTCAGCACTCACCTCAGCAGCTGACATCATAAAGCAGACTTG GGAACCTGGAAGCACTCTGGAGAACCTTTCCTGAGACATGGAGCTTTGGGGCCGAATGC TGTGGGCCCTCCTGTCTGGCCCAGGAGGAGGGGAAGTACCCGGGGCTGGGCCTTCAGCT CATGGCAACCCCAACCACCTCTGGCTGGGTTATCCAGTGCCATAGAAGTGGTTCAGCCACT GGACTGGGGTCTTTGAGAAGAGGGGTATCCCTGAGGCCCGGGAATCCAGTGAGTACATCG TGCTCATGTCTTGGAGCCAAAACATTTAGAGCCTGAGGCCGGCACTTTGGACCCAGC CCTTGACCTCTCAGCAACTACAGTGTATCCGGGAGCTGAGTAGCCGTCGATTGCAGAGGA TGCCGGTGCAGTACATCCTTGGAGAGTGGGACTTCCAGGGGCTCAGCCTAAGGATGGTGC CCCCAGTGTATTCCGCGGCCAGAAACAGANGAACTGGTTGAGTGNGTGCTGGAAGAG TAGCCANNAGTCCNATGCTGNTGGATCCCATGCAGCCCCTCATTCTGGNNAGTGGGC TGCGGATCAGGAGCCATCTCCCTCAGCCTGCTGAGCCAGCTCCCCAGAGCGAGTCATTG CTGTGGATAANCCGGGAGCTGCTATCTCTTTGACCATGAAAATGCTCAANAGGCTCCG GTGCAAGAAAAGATTTGGAATCATCCCACTCGGACTGGACCTCAAAGGAGCTGGACACA CCTGGCCTGGGG
Restriction Sites:	Please inquire
ACCN:	BC000781
Insert Size:	1461 bp
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).
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>BC000781.2</u> , <u>AAH00781.1</u>
RefSeq Size:	1452 bp
Locus ID:	51409
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome
Protein Pathways:	Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism, Tyrosine metabolism

Gene Summary:

N5-glutamine methyltransferase responsible for the methylation of the glutamine residue in the universally conserved GGQ motif of the mitochondrial translation release factor MTRF1L. [UniProtKB/Swiss-Prot Function]