

Product datasheet for SC319421

HEMK1 (NM_016173) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HEMK1 (NM_016173) Human Untagged Clone
Tag: Tag Free
Symbol: HEMK1
Synonyms: HEMK; MPRMC; MTQ1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_016173.3
GGCACGAGGCAACTATATCTGAGGACCAGAGCCATTTTGGGGCACCAGAGCTTGTGACCT
CTCCATCTCCACCCAGCTGGGTCCAGGGGCCACTCTCAGCACTCACCTCAGCAGCTGACA
TCATAAAGCAGACTTGGGAACCTGGAAGCACTCTGGAGAACCTTCCCTGAGACATGGAG
CTTTGGGGCCGAATGCTGTGGGCCCTCCTGTCTGCCCCAGGGAGGAGGGGAAGTACCCGG
GGCTGGGCCTTCAGCTCATGGCAACCCCAACCCTCTGGCTGGGTTATCCAGTGCCATA
GAACTGGTCAGCCACTGGACTGGGTCTTTGAGAAGAGGGGTATCCCTGAGGCCCGGAA
TCCAGTGAGTACATCGTGGCTCATGTCTTGGAGCCAAAACATTTAGAGCCTGAGGCCG
GCACTTTGGACCCAGCCCTTGACCTCTCAGCAACTACAGTGTATCCGGGAGCTGAGTAGC
CGTCGATTGCAGAGGATGCCGGTGCAGTACATCCTTGGAGAGTGGGACTTCCAGGGGCTC
AGCCTAAGGATGGTGCCCCAGTGTATTTATCCCGGCCAGAAACAGAGGAACTGGTTGAG
TGGGTGCTGGAAGAGGTGGCCCAGAGGTCCCATGCTGTGGGATCCCCAGGCAGCCCCCTC
ATTCTGGAGGTGGGCTGCGGATCAGGAGCCATCTCCCTCAGCCTGCTGAGCCAGCTCCCC
CAGAGCCGAGTCATTGCTGTGGATAAGCGGGAAGCTGCTATCTCTGACCCATGAGAAT
GCTCAGAGGCTTCGGTTGCAGGACAGGATTTGGATCATCCACCTCGACATGACCTCAGAA
AGGAGCTGGACACACCTGCCCTGGGGCCCCATGGACCTGATTGTCAGCAACCCCTCCCTAC
GTCTTCCACCAGGACATGGAGCAGCTGGCCCCTGAGATCCGCAGCTATGAAGACCCCGG
GCCCTGGATGGTGGGAGGAGGGCATGGACATCATTACCCACATTTCTGGCCTTGGCACCC
CGGCTCCTGAAAGACTCTGGTAGTATCTTCTTAGAAGTGGACCCAAGGCACCCGGAGCTT
GTCAGCAGCTGGCTTTCAGAGCCGCTGACCTGTACCTTAATCTTGTGGCTGTGCCGAGG
GACTTCTGTGGGAGGCCCGGTTCTGCATATCCGGAGGTCTGGGCCATAGCATGGCTGC
CCTGTGGATGCCTTGTGAGTCCCGCCAGCCTGACCAGAGGGGAGGTGGATGGCACTTTCC
AGAGCCCAGGTTCTTATGGCATTTCAGGGTTCTGTGATTTCCCATGCTCTGCATTTT
TAGGATATTTCTAGGACACCTGGATTGGCTCCATCACATCAGAGTGGCTGAGGGCAGTTG
CTCTGTGTTGGTAAATTGCTGTGGGGTATCGGGGGATATGGCCAGTAAAGTATTGAGA
GACTAAAAAAAAAAAAAAAAA



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| Restriction Sites: | Please inquire |
| ACCN: | NM_016173 |
| 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). |
| 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_016173.3</u> , <u>NP_057257.1</u> |
| RefSeq Size: | 5862 bp |
| RefSeq ORF: | 1017 bp |
| Locus ID: | 51409 |
| UniProt ID: | <u>Q9Y5R4</u> |
| Cytogenetics: | 3p21.31 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism, Tyrosine metabolism |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |