

Product datasheet for **SC320423**

CMPK1 (NM_016308) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMPK1 (NM_016308) Human Untagged Clone
Tag:	Tag Free
Symbol:	CMPK1
Synonyms:	CK; CMK; CMPK; UMK; UMP-CMPK; UMPK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_016308.1
GTATGCTGAGCCGCTGCCGACGCCGGCTGCTCCACGTCCTGGGCCTTAGCTTCCTGCTGC
AGACCCGCCGGCCGATTCTCCTCTGCTCTCCACGTCCTATGAAGCCGCTGGTCGTGTTCCG
TCCTCGGCGGCCCGGCCGCCGCAAGGGGACCCAGTGCGCCCGCATCGTCGAGAAATATG
GCTACACACACCTTTCTGCAGGAGAGCTGCTTCGTGATGAAAGGAAGAACCAGATTAC
AGTATGGTGAACCTATTGAAAAGTACATTAAGAAGGAAAAGATTGTACCAGTTGAGATAA
CCATCAGTTTATTAAGAGGGAAAATGGATCAGACAATGGCTGCCAATGCTCAGAAGAATA
AATTCTTGATTGATGGGTTTCCAAGAAATCAAGACAACCTTCAAGGATGGAACAAGACCA
TGGATGGGAAGGCAGATGTATCTTTCTGTTCTTTTTTACTGTAATAATGAGATTTGTA
TTGAACGATGTCTTGAGAGGGGAAAAGAGTAGTGGTAGGAGTGATGACAACAGAGAGAGCT
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CTTGAATATTGCTTTGATAGCTGCTATCATGACCCCTTTTTAAGGCAATTCTAATCTTTC
ATAACTACATCTCAATTAGTGGCTGGAAAAGTACATGGTAAAACAAGTAAATTTTTTTAT
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GCACAATGTGTTTGGTAAACAACTCAAATGGATTCTTAGGAGCATTATAGTGTATTAT
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AGCTGATCTTAACAAAATTCGTAGCAGTGGAACTTGAATGCATGTGGCTAGATTTATG
CTAAAATGATTCTCAGTTAGCATTTTAGTAACACTTCAAAGGTTTTTTTTGTTTGTGTTT
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GTATTTTATTTCTTGAATACTTTTTTCATAGTTATTTGTTTAAAAAGATTTAAAAATCA
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TATTTTTATTCAGTAGATTTTTGTTTGGCATCATGTTGAAGCACCGAAAGATAAATGATT
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TCTGAGGAATTTGTTTTGCCTTACTTTTTTTTTCTTCTGTCACAATGCTAAGTGGTATCC
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ACAAAGTATTGCTAAGTACTATAACATATTGGCCACTAAAATTCATATTGAGATTATCTT
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GGTGGTTTTGATCAAACAGCTCTAGTATGAAGCAAGAGTAAAGACTAAGGTTTTCGAGAGCA
TTCTACTCACATAAGTGAAGAAATCTGTCAGATAGGAATCTAAATATTTATAGTGAGAT
TGTGAAAGCAACCTTAAAGTTTTGAAGAAGACTGATGAGACTAGGTGCTTTGCTTCCCTT
CATCAGGTATCTTTCTGTGGCATTGAGAACAGAAACCAAGAAACATGGTAATTACTAAA
TTATGAGGCTTTGCTTTTTGTTTGTCTTTAAGTAGAAAAACATGTTGGCAACATTGAGTT
TTGGAGTTGATTGAGATAATATGACTTAACTAGTTTTGTCATTCCATTTGTTAAAGATAC
AGTCACCAAGAATGTTTTGAGTTTTTTGAAAGACCCCAATTTAAGCCTTGCTTATTTTTA
AATTATTTCCATTGAGTGTGGATGTATATCAGTTATTTAGTAAATAATCTCAATAA
AAAAAAAAAAAAAAAAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_016308

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:	NM_016308.1 , NP_057392.1
RefSeq Size:	2836 bp
RefSeq ORF:	687 bp
Locus ID:	51727
UniProt ID:	P30085
Cytogenetics:	1p33
Domains:	ADK
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Pyrimidine metabolism
Gene Summary:	<p>This gene encodes one of the enzymes required for cellular nucleic acid biosynthesis. This enzyme catalyzes the transfer of a phosphate group from ATP to CMP, UMP, or dCMP, to form the corresponding diphosphate nucleotide. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>